AD-A150 378 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
CHINA LAKE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

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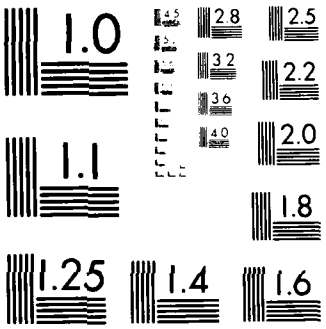

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SMOS, China Lake, Ca.
Aug 1984

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 378

STATION:	#93104 China Lake, CA		
PERIOD:	HOURLY	1/73-12/82	
	DAILY	4/45-12/82	
JOB NO. 72006		DATE	August 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
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COMMAND
NSTL MS 39529

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READ INSTRUCTIONS BEFORE COMPLETING FORM

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2. GOVT ACCESSION NO.

3. RECIPIENT'S CATALOG NUMBER

4. TITLE (and Subtitle)

Summary of Meteorological Observations, Surface (SMOS) China Lake, CA

5. TYPE OF REPORT & PERIOD COVERED

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18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
93104	China Lake, California	35°41'N	117°41'W	2283	KNID	72384

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF PARTICULAR LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, second deck of hangar #1	Navy	1945	1958	35°41'N	117°41'W	2234	Mercurial	
2.	Weather service office	"	1958	1959	"	"	2233	"	
3.	Relocated Weather service office	"	1959	1969	"	"	2238	"	
4.	" " " "	"	1969		"	"	"	"	
1a.	Weather service office	"	1964		"	"	"	Aneroid	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1949	Roof of hangar #1	Double register		68'	1. Barograph 2. Hygrothermograph 3. Theodolite 4. Thermoscreen 5. Maximum and minimum thermometer 6. Digital thermometer
1a.	1949	Roof of control tower	Selsyn	Triple	86'	
2a.	1958	Roof of control tower (replacement for selsyn)	UMQ-5	RD-108	86'	
3a.	1959	Five hundred feet from the apex of runways 21 and 14	UMQ-5	RRD-108	18'	

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS L.S.T.	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS L.S.T.	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS LST	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION NAME

YEAR

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION   STATION NAME   YEARS   MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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WEATHER CONDITIONS

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STATION | STATION NAME | YEARS | MONTH

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TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS LST	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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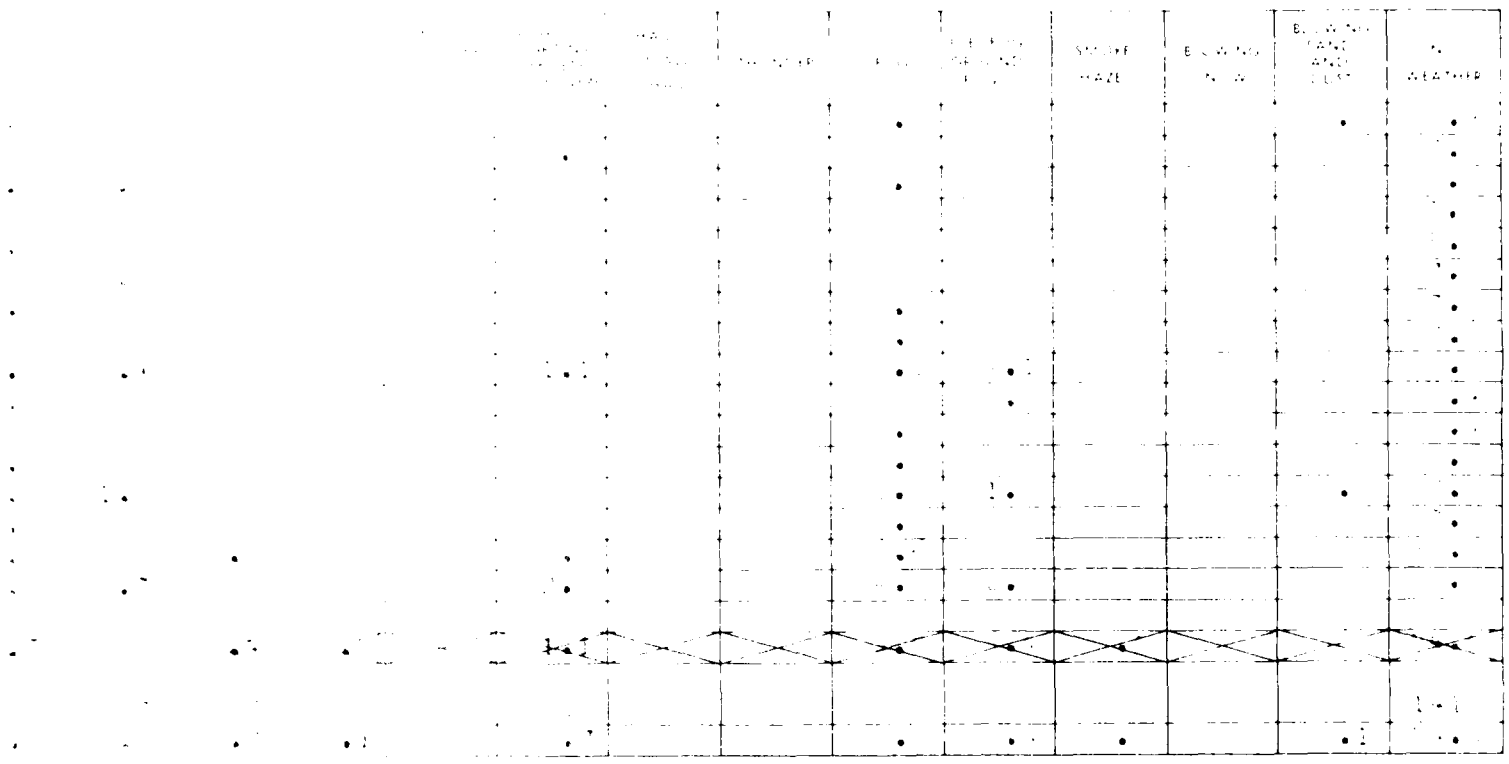
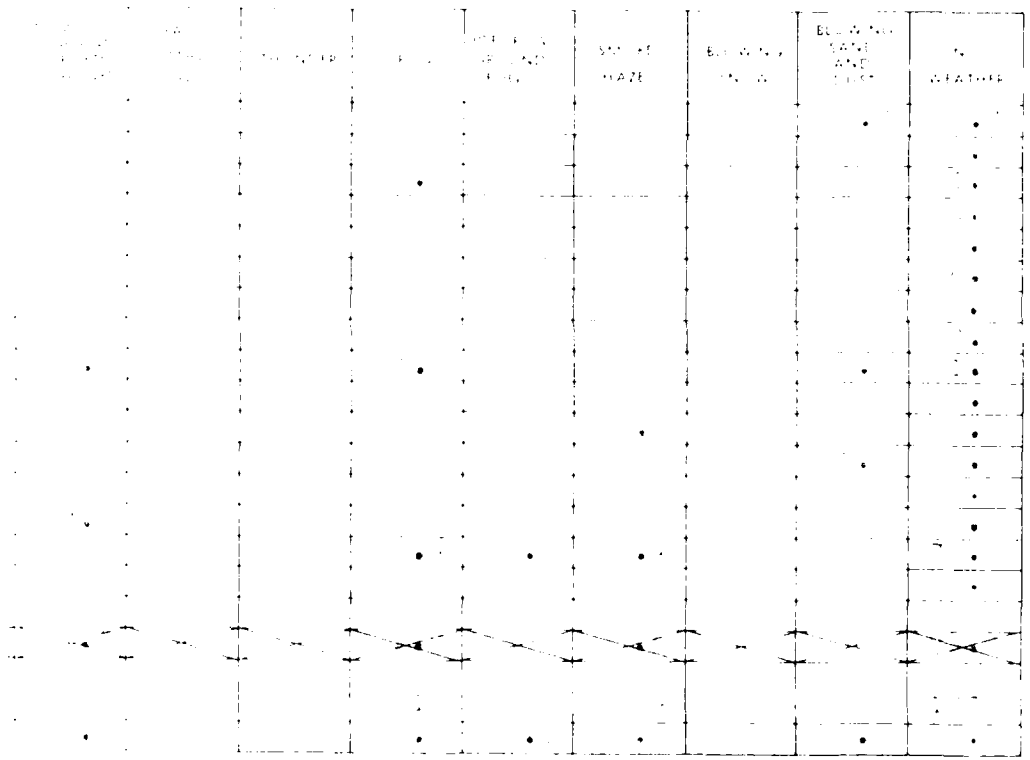
AGE FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



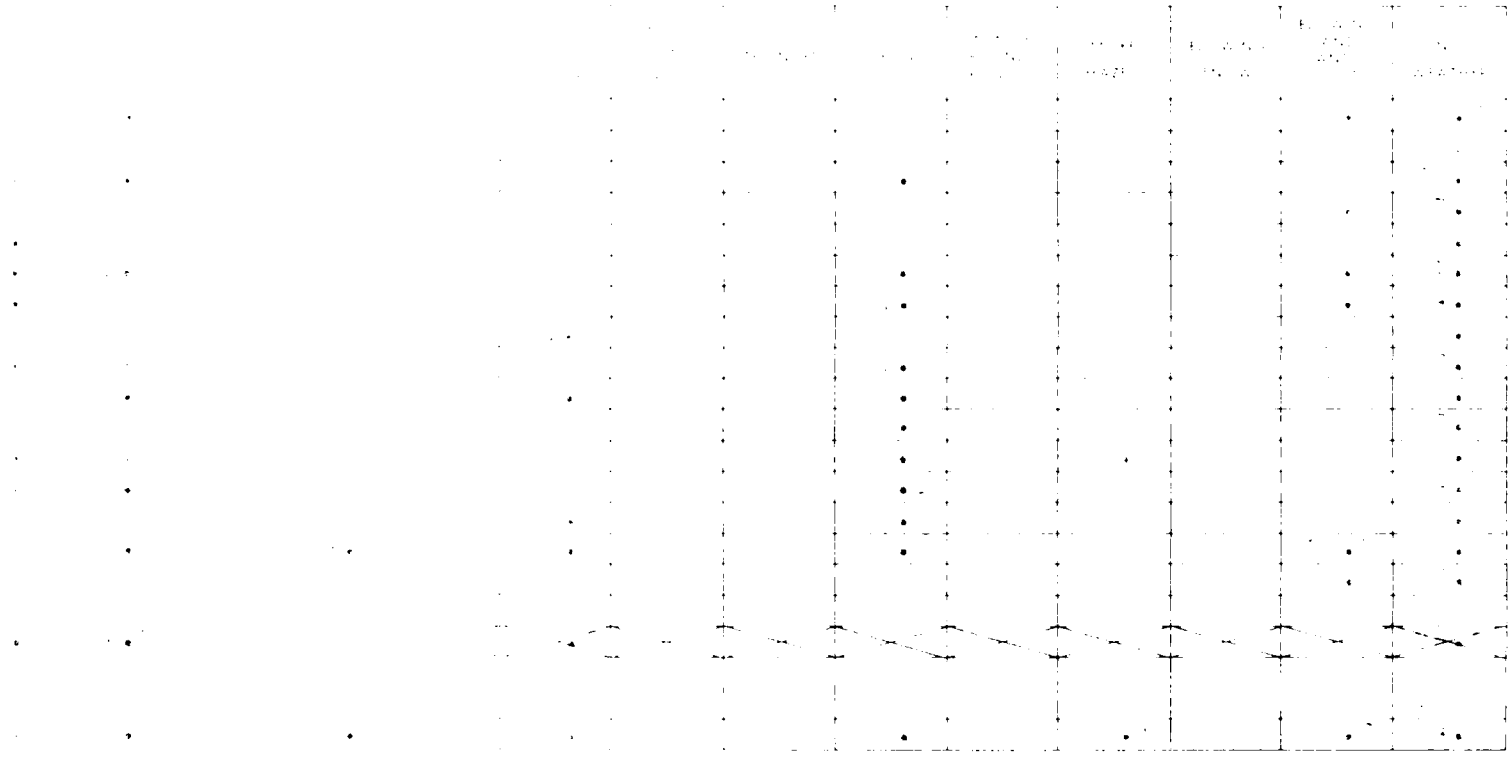
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



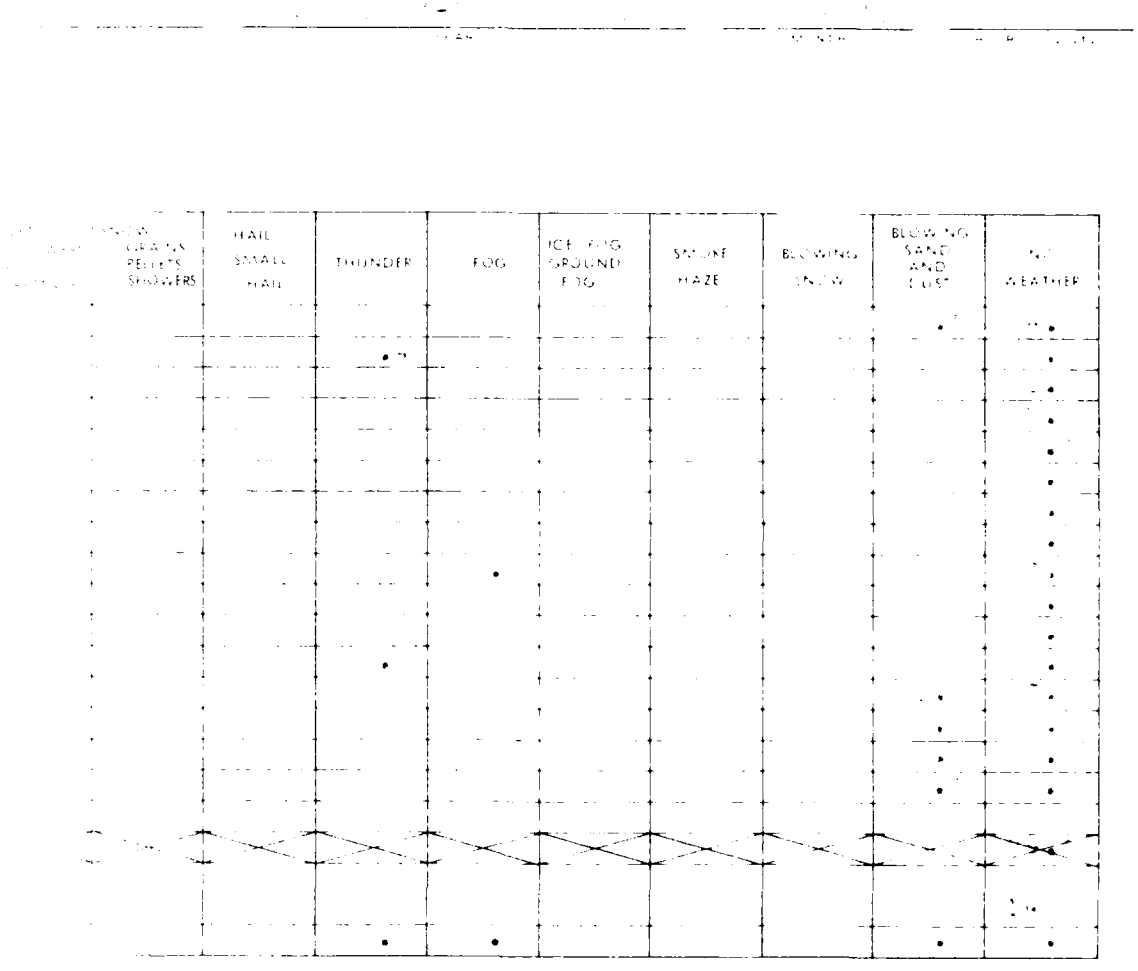
TOTAL NUMBER OF OBSERVATIONS

FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



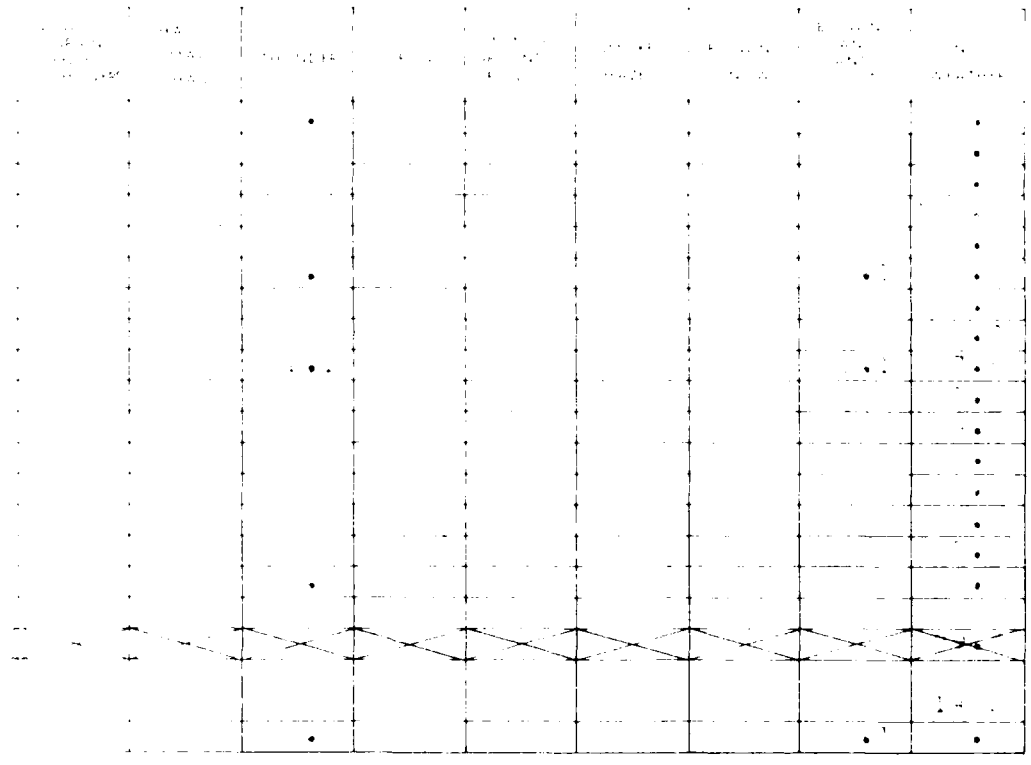
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



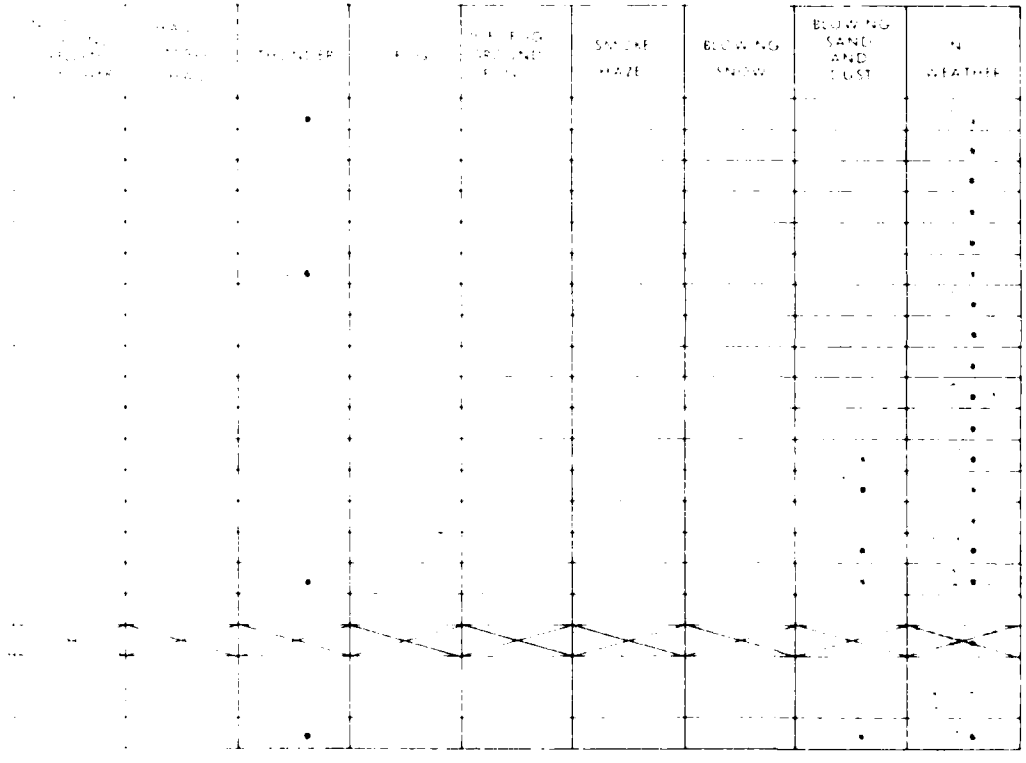
TOTAL NUMBER OF OBSERVATIONS

FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



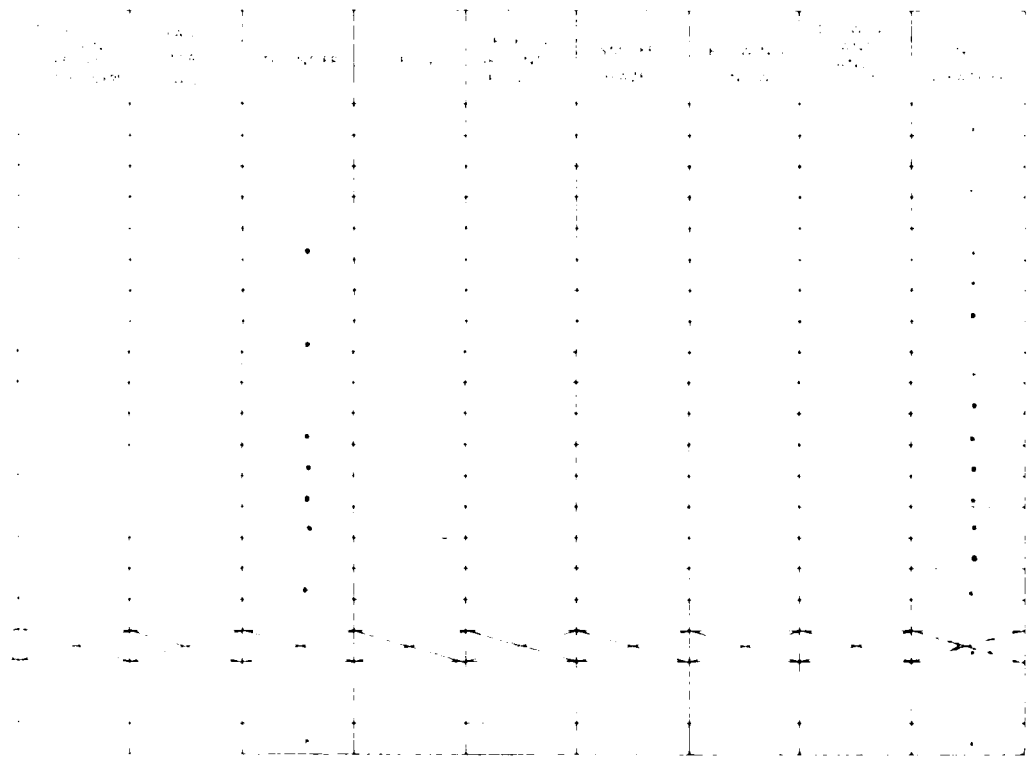
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS WEATHER CONDITIONS



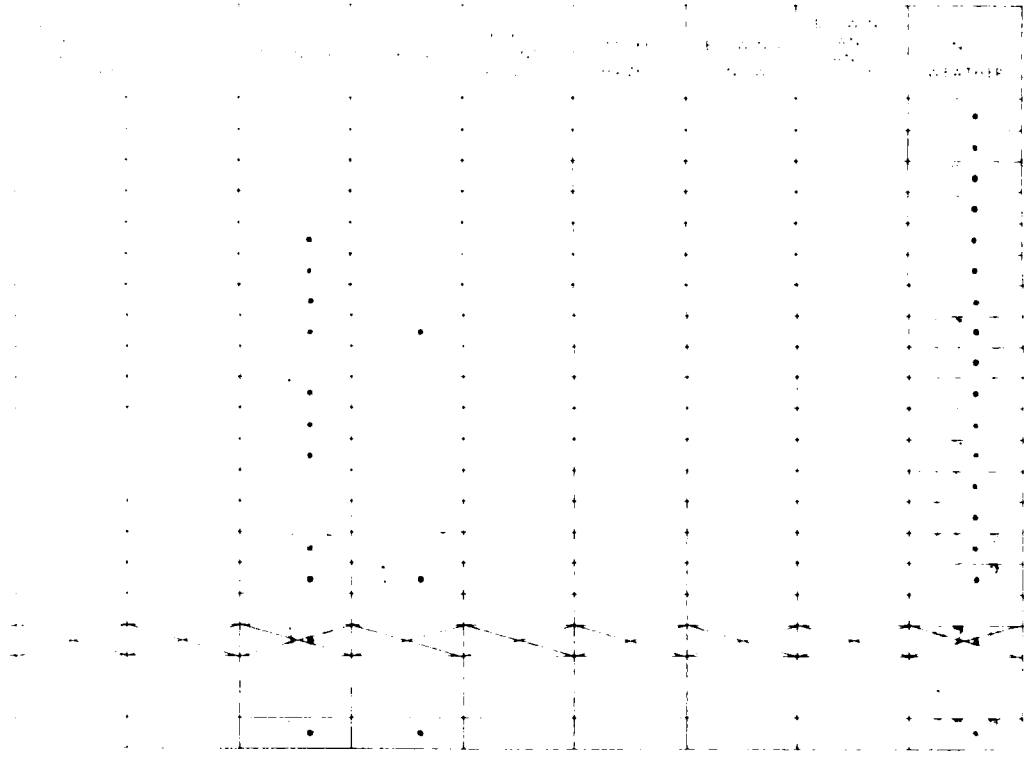
TOTAL NUMBER OF OBSERVATIONS

A GE FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

A. F. FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

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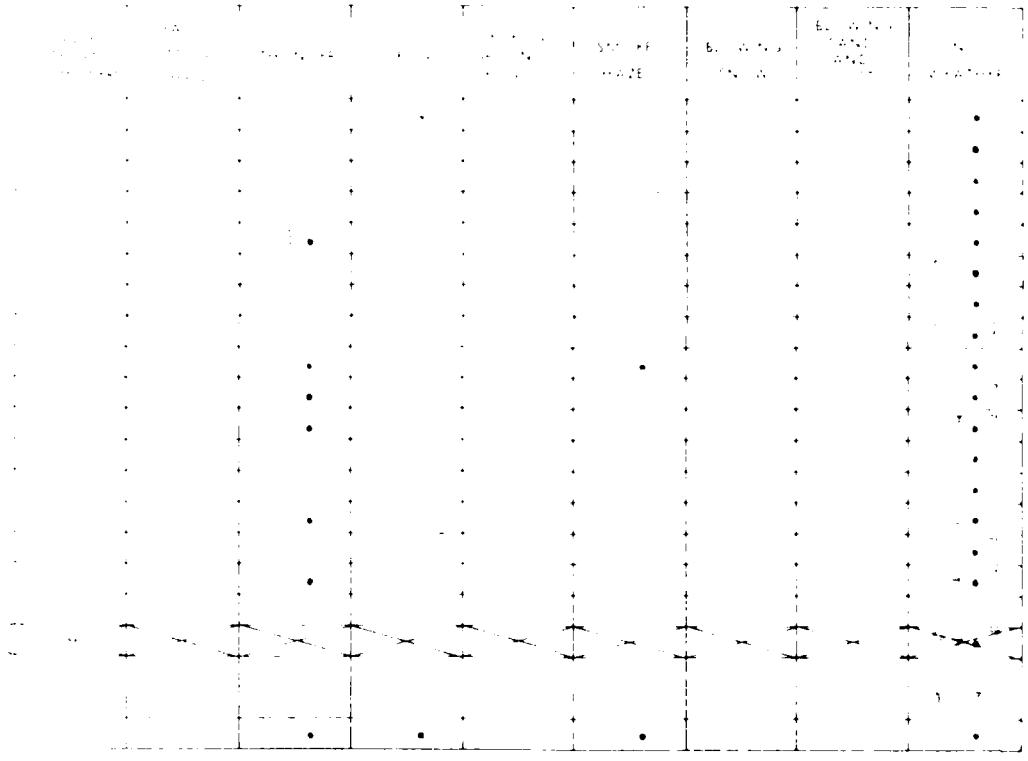
PERCENTAGE FREQUENCY OF WIND DIRECTION
VS WEATHER CONDITIONS



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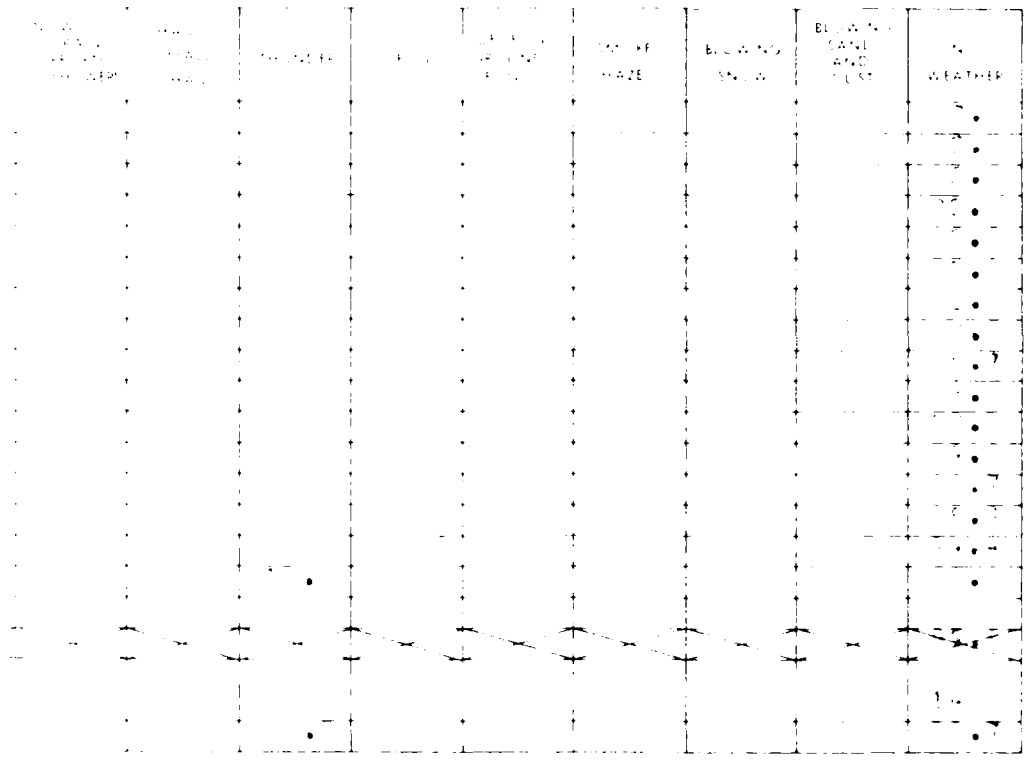
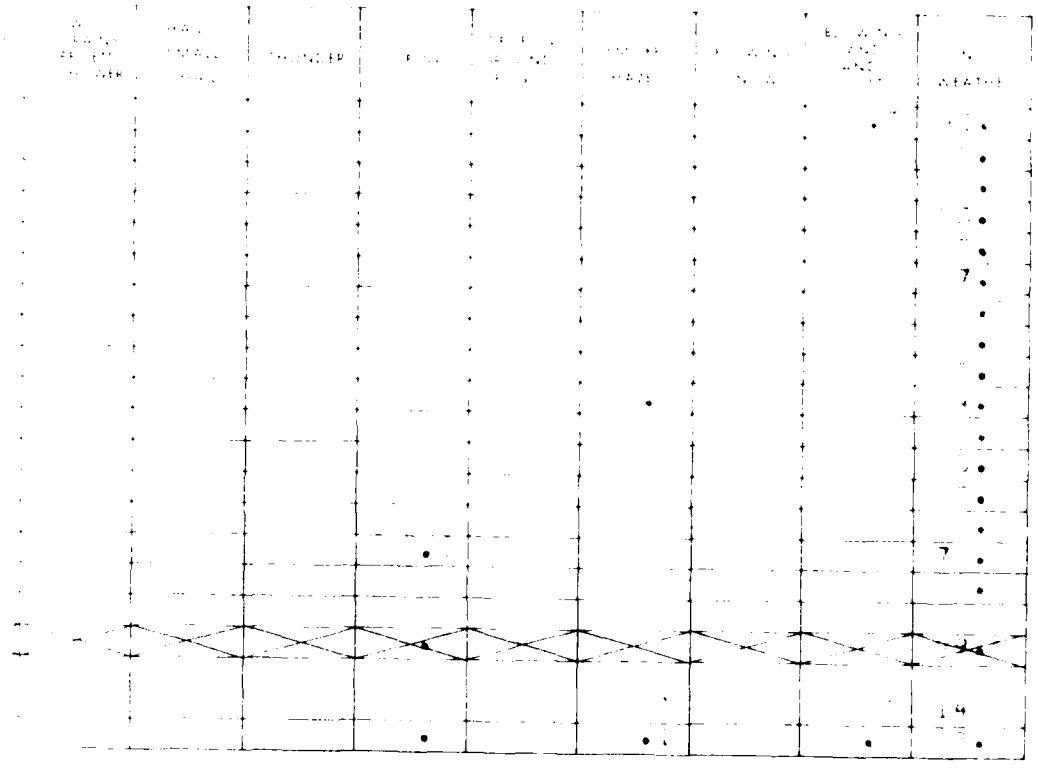
AGE FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



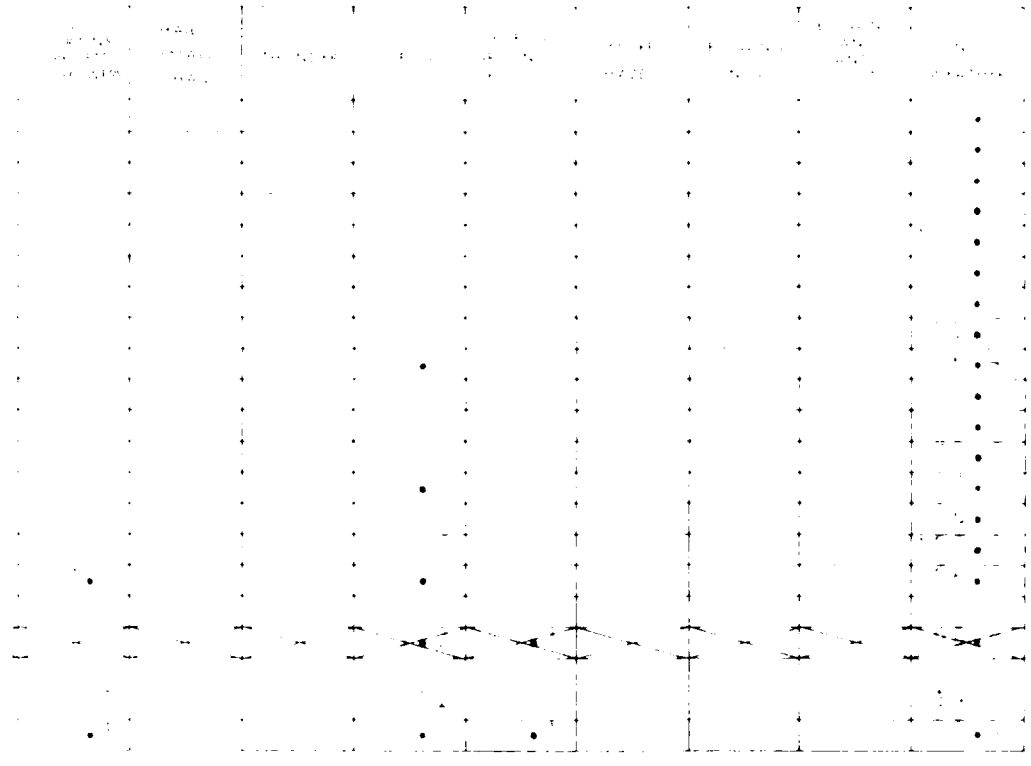
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



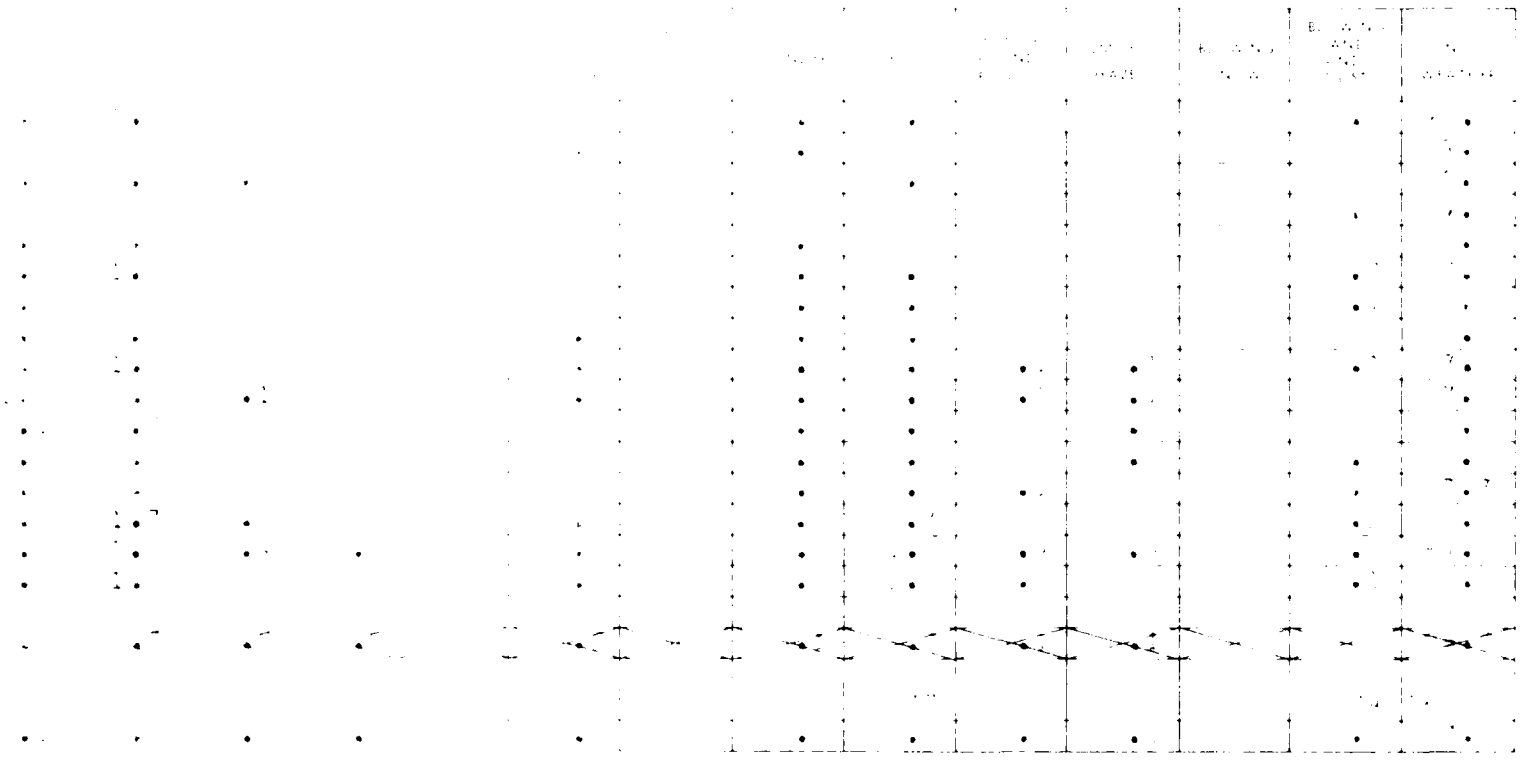
TOTAL NUMBER OF OBSERVATIONS

A. E. FREQUENCY OF WIND DIRECTION
B. WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

A.E FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, if [illegible] examined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual [illegible] (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The [illegible] are not presented for the snow depth summary since they would have limited use and [illegible].

The [illegible] tables for each of the above presents the extreme daily amounts by individual year and [illegible] period of record available. Also provided are the means and standard deviations for [illegible] (all months). The extremes for a month are not printed nor used in computations if [illegible] observations are missing.

Snow depth [illegible] recorded and punched at various hours during the period available from U. S. operated [illegible]. The periods and hours used in the snow depth summary vary by service and period as follows:

[illegible]	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
[illegible] Weather Bureau [illegible]	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* [illegible] included in snowfall occurrence in the summary of the day observation prior to Jan 1956, [illegible] 1956.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

			AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	1.01 2.50	2.5 5.00	5.01 10.00	10.01 20.00	OVER 20.00				MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 5.4	5.5 25.4	25.5 50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN	•							•							•		•	•	•
FEB	•																		•
MAR																			
APR																			•
MAY																	•	•	•
JUN	•																•	•	•
JUL	•																•	•	
AUG																		•	•
SEP																	•	•	•
OCT	•																•	•	•
NOV	•																		
DEC	•		•												•				
ANNUAL															•		•	•	

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

	AMOUNTS INCHES													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
	NONE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	OVER 20.00			MEAN	GREATEST	LEAST
MONTHLY	NONE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	OVER 50.4					
SNOW DEPTH	NONE	TRACE		2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS													

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PROBABILITY CONSIDERATIONS

STATION NAME _____ YEARS _____

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION ______ STATION NAME ______ YEARS ______

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S.D.													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME _____ YEARS _____

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S.D.													
TOTAL OBS													

WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION NAME

YEARS

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible]

STATION NAME

YEARS

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME — YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
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19						
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22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST INCHES	PRECIPITATION GREATEST MM	PRECIPITATION GREATEST DATE	SNOWFALL GREATEST INCHES	SNOWFALL GREATEST MM	SNOWFALL GREATEST DATE
1	•					
2						
3	•					
4						
5	•					
6	•					
7	•					
8	•					
9	•					
10						
11	•					
12	•					
13	•					
14						
15						
16						
17	•					
18						
19	•					
20						
21	•					
22						
23						
24						
25	•					
26	•					
27	•					
28	•					
29						
30						
31						
Monthly	•					

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

[illegible] SERVICE DETACHMENT
[illegible] CAROLINA

DAILY EXTREME AMOUNTS

[illegible] YEARS

[illegible] MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
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13						
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22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

[illegible] MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
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11						
12						
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24						
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27						
28						
29						
30						
31						
Monthly						

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME _____ YEARS _____

MONTH _____

DAY	PRECIPITATION GREATEST INCHES	PRECIPITATION GREATEST MM	PRECIPITATION GREATEST DATE	SNOWFALL GREATEST INCHES	SNOWFALL GREATEST MM	SNOWFALL GREATEST DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16	•					
17	•					
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19						
20						
21						
22	•					
23						
24	•					
25						
26						
27	•					
28						
29	•					
30						
31	•					
32	•					

MONTH _____

DAY	PRECIPITATION GREATEST INCHES	PRECIPITATION GREATEST MM	PRECIPITATION GREATEST DATE	SNOWFALL GREATEST INCHES	SNOWFALL GREATEST MM	SNOWFALL GREATEST DATE
1	•					
2						
3						
4	•					
5	•					
6	•					
7	•					
8	•					
9						
10						
11	•					
12						
13						
14						
15	•					
16						
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18	•					
19						
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21	•					
22	•					
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly	•					

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
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11						
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18						
19						
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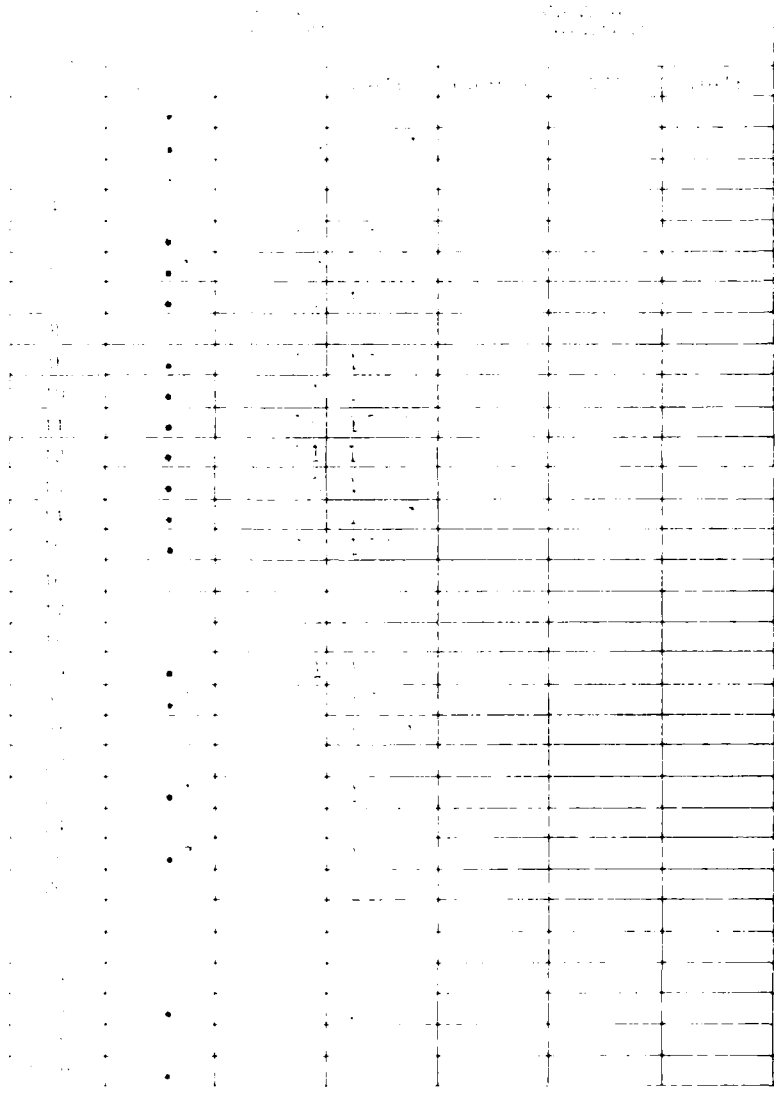
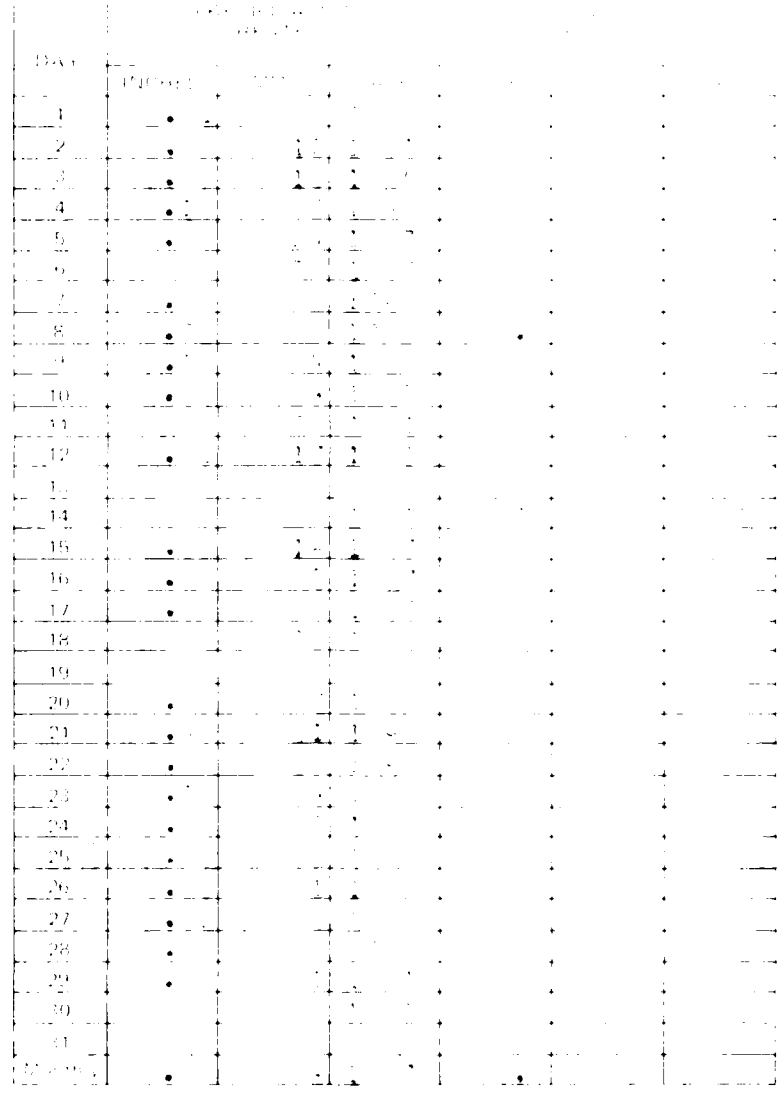
25						
26						
27						
28						
29						
30						
31						
Monthly						

* AMOUNT EARLIER YEARS
T — TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL [illegible]

DAILY EXTREME AMOUNTS





DIRNAVOCEANMET—SMOS

PART C SURFACE WINDS

[illegible] surface winds [illegible]

a. Peak Winds - [illegible]: Derived from hourly observations and are entered by individual year and month [illegible] speed and date. Speeds are presented in knots, while directions are given in [illegible] compass points and tenths if present through [illegible], and in tens of degrees beginning in January [illegible]. [illegible] hourly observations of peak gust wind data are available for a month, the extreme is [illegible]. The values are then used to compute mean and standard deviations for the entire period [illegible] have valid observations present before the ALL MONTHS value is selected [illegible]. Mean and standard deviations are computed when four or more values are present for any [illegible]. A supplementary list of peak gusts by year-month with < 90% observations reported is also provided.

NOTE: [illegible] Circular N specifications, "peak gust data are recorded only at stations with continuous [illegible] wind-speed recorders."

b. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind direction to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In those data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

c. Three tables are prepared for all surface winds included, and for all years combined as follows:

1) Annual - all hours combined

2) By month - all hours combined

3) By month - by standard 3-hour groups

d. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 7-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

C

NAVAL WEATHER SERVICE DETACHMENT
FAYETTEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NAME

YEARS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS - L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
S													
SSW													
SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS L.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ S T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L.S.T. _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L.S.T. _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 0	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
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SSW													
SW													
WSW													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS

CONDITION

SPEED KNTS OR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
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SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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E													
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SSE													
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SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, N.C.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
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SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS L.S.T.

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

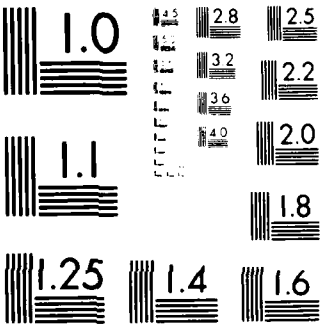
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

AD-A150 378 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) CHINA LAKE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC AUG 84 2/4

UNCLASSIFIED F/G 4/2 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: ALL WEATHER HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.2	.3	.8	.1							2.3	6.2
NNE	1.2	.2	.1	.3								1.7	5.1
NE	.2	.3	.1	.1								1.2	4.2
ENE	.2	.4	.1									1.4	3.4
E	1.3	1.2	.7	.1								3.3	5.0
ESE	1.3	2.2	1.2	.7		.1						4.7	5.9
SE	.3	2.1	1.5	.3								4.3	5.9
SSE	1.1	2.2	1.5	.7								4.5	6.1
S	1.7	2.2	2.7	1.9	.1							10.2	7.6
SSW	1.3	2.7	3.1	3.3	.4	.1						12.4	9.1
SW	.7	1.8	3.7	3.5	.5	.1						10.3	9.7
WSW	.2	1.4	2.2	2.2	.3	.2	.1					8.4	10.6
W	1.3	1.3	2.7	3.1	.3	.2	.1					9.1	9.5
WNW	.4	.2	.9	.4	.1	.1						2.4	8.0
NW	.2	.2	.1	.2								1.2	7.1
NNW	.4	.1	.4	.4		.1						1.7	8.7
VARBL													
CALM												10.1	
	10.7	20.7	25.0	19.2	3.2	.6	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1744

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: [illegible] HOURS (L S T): 07

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE	[illegible]	[illegible]										[illegible]	[illegible]
ENE	[illegible]											[illegible]	[illegible]
E		[illegible]										[illegible]	[illegible]
ESE													
SE	[illegible]	[illegible]										[illegible]	[illegible]
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
W	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
WNW	[illegible]	[illegible]										[illegible]	[illegible]
NW	[illegible]	[illegible]										[illegible]	[illegible]
NNW	[illegible]	[illegible]										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible]
STATION NAME: [illegible]
YEARS: [illegible]
MONTH: JUL
CLASS: [illegible]
HOURS (LST): 1[illegible]
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										1.7	2.5
NNE	[illegible]	[illegible]										1.[illegible]	[illegible]
NE	[illegible]	[illegible]										1.[illegible]	[illegible]
ENE	[illegible]	1.[illegible]										2.[illegible]	2.9
E	[illegible]	[illegible]	[illegible]									9.7	[illegible]
ESE	[illegible]	[illegible]										7.1	[illegible]
SE	[illegible]	[illegible]	[illegible]									7.7	3.5
SSE	[illegible]	[illegible]	1.[illegible]									10.[illegible]	4.4
S	[illegible]	[illegible]	1.[illegible]	1.[illegible]								9.[illegible]	[illegible]
SSW	[illegible]	[illegible]	1.[illegible]	1.[illegible]	[illegible]							7.4	7.6
SW	[illegible]	1.[illegible]	[illegible]	[illegible]								3.[illegible]	5.2
WSW	[illegible]	1.[illegible]	[illegible]	[illegible]								2.6	5.7
W	[illegible]	1.[illegible]										2.[illegible]	[illegible]
WNW	[illegible]	[illegible]										[illegible]	[illegible]
NW		[illegible]										[illegible]	[illegible]
NNW	[illegible]											[illegible]	2.5
VARBL													
CALM												1.[illegible]	
	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							100.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 31[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: [illegible] HOURS (L S T): 17

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]											[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE		[illegible]										[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE		[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WNW		[illegible]										[illegible]	[illegible]
NW	[illegible]	[illegible]										[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: [illegible] HOURS (L S T): 16

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE													
NE													
ENE		[illegible]		[illegible]								[illegible]	[illegible]
E	[illegible]											[illegible]	[illegible]
ESE		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SSW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
W		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WNW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW													
NNW			[illegible]									[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS: 251

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SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: [illegible] HOURS (LST): 19

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]											[illegible]	[illegible]
ESE				[illegible]								[illegible]	[illegible]
SE		[illegible]										[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WSW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]
NW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

CLASS: [illegible] HOURS (LST): [illegible]

CONDITION: [illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		[illegible]										[illegible]	[illegible]
ESE													
SE													
SSE													
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW													
WSW													
W		[illegible]	[illegible]									[illegible]	[illegible]
WNW		[illegible]										[illegible]	[illegible]
NW													
NNW													
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: JUL

CLASS: [illegible] HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.1										1.1	2.8
NNE	.	.1										.6	2.5
NE	.	.										.5	2.9
ENE	.	.7	.1	.1								1.4	3.9
E	.	1.1	.5	.1								3.9	4.4
ESE	1.3	1.1	.7	.	.1							3.4	5.7
SE	1.3	7.7	1.7									4.1	5.2
SSE	1.7	2.1	3.8	.								5.7	6.7
S	1.1	3.5	4.6	2.7	.3							12.7	7.6
SSW	.4	7.1	1.4	4.6	.4							15.1	9.3
SW	1.1	1.7	2.3	2.3	.7							9.1	9.1
WSW	1.1	1.4	2.5	1.2	.1							6.5	8.2
W	1.1	1.1	2.4	1.4	.1							7.1	7.6
WNW	.3	.	.7	.1		.1						1.7	5.7
NW	.7	.3	.1	.1								.9	5.3
NNW	.	.	.	.1								1.3	5.1
VARBL													
CALM												21.7	
	1.	[illegible]	[illegible]	[illegible]	[illegible]	.1						[illegible]	5.7

TOTAL NUMBER OF OBSERVATIONS 1471

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE	[illegible]	[illegible]										[illegible]	[illegible]
NE	[illegible]	[illegible]										[illegible]	[illegible]
ENE													
E	[illegible]											[illegible]	[illegible]
ESE	[illegible]		[illegible]									[illegible]	[illegible]
SE	[illegible]	[illegible]										[illegible]	[illegible]
SSE	[illegible]	[illegible]										[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]										[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NNW	[illegible]											[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible]

CLASS [illegible] HOURS (L S T) [illegible]

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE		[illegible]										[illegible]	[illegible]
NE		[illegible]										[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
W	[illegible]	[illegible]										[illegible]	[illegible]
WNW		[illegible]										[illegible]	[illegible]
NW													
NNW	[illegible]	[illegible]										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NNE	[illegible]	[illegible]										[illegible]	[illegible]
NE	[illegible]	[illegible]										[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE	[illegible]	[illegible]										[illegible]	[illegible]
NE													
ENE		[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE	[illegible]											[illegible]	[illegible]
SE		[illegible]										[illegible]	[illegible]
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]										[illegible]	[illegible]
NW	[illegible]	[illegible]										[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE	[illegible]											[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
W	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
WNW	[illegible]		[illegible]									[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NNW	[illegible]	[illegible]										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

CLASS: [illegible]

HOURS (L S T): 17

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	[illegible]
NNE	[illegible]	[illegible]										[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WNW	[illegible]		[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]											[illegible]	[illegible]
NNW													
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		•										•	•
NNE													
NE		•										•	•
ENE			•									•	•
E	•	•										•	•
ESE		•	•	•	•							•	•
SE	•	•										•	•
SSE	•	•	•									•	•
S	•	•	•	•								•	•
SSW	•	•	•	•								•	•
SW	•	•	•	•								•	•
WSW	•	•	•									•	•
W	•	•	•									•	•
WNW	•	•	•									•	•
NW		•	•	•								•	•
NNW				•	•							•	•
VARBL													
CALM												•	
	•	•	•	•	•							•	•

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	[illegible]											[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SW		[illegible]										[illegible]	[illegible]
WSW													
W	[illegible]											[illegible]	[illegible]
WNW	[illegible]											[illegible]	[illegible]
NW													
NNW													
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

CLASS: [illegible]

HOURS (LST): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]		[illegible]		[illegible]	[illegible]						[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE													
ENE	[illegible]											[illegible]	[illegible]
E	[illegible]											[illegible]	[illegible]
ESE													
SE		[illegible]										[illegible]	[illegible]
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]		[illegible]							[illegible]	[illegible]
W	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
WNW	[illegible]		[illegible]									[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, N.C.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ NORTH

CLASS _____ HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS - L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NNE	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
NE	[illegible]	[illegible]										[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]		[illegible]	[illegible]							[illegible]	[illegible]
WSW		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]											[illegible]	[illegible]
NNW	[illegible]				[illegible]							[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NNE	[illegible]	[illegible]		[illegible]	[illegible]							[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 40	41 47	48 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
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SW													
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W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS L.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
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SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
S													
SSW													
SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, N.C.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH ALL

CLASS

HOURS (L S T) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

[illegible] General Weather
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This set of [illegible] bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than [illegible] feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. [illegible] years and all hours combined
2. [illegible] years and all hours combined
3. [illegible] 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of [illegible] limit of ceiling or visibility separately, or in combination of ceiling and visibility. [illegible] this process to the right and downward. Ceiling may be determined independently by [illegible] in the extreme right hand column. Also, visibility may be determined independently [illegible] horizontal row of totals at the bottom of the page. The percentage frequency for [illegible] meeting or exceeding any given set of minima may be determined from the figure at [illegible] the appropriate ceiling column and visibility row. Several examples in the use of [illegible] are shown on pages 2 and 3 below.

[illegible] 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no [illegible]" [illegible] observations with less than 6/10 total sky cover and those cases where total [illegible] more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					[illegible]											[illegible]
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						9[illegible].1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						1[illegible].0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0. For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. In tenths and okrals - all hours and all years combined.

2. In tenths - by standard 3-hour groups.

NOTE: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in recent years beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: The records of punched data used for this summary report cloud amounts in okrals. The okrals were converted to tenths prior to summarizing, and notation is made on the form to indicate the tenths originally reported in okrals. The manner of conversion is given below:

OKRALS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: In January 1951 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ [illegible]																
≥ [illegible]																
≥ [illegible]																
≥ 9000																
≥ [illegible]00																
≥ 7000																
[illegible]000																
≥ [illegible]																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
1800																
1700																
≥ 1500																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

VISIBILITY STATUTE MILES

NO CEILING

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
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≥ 1500																
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≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
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≥ 1800																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATE | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 12000																
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≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

≥ 5 ≥ 4 ≥ 3 ≥ 2½ ≥ 2 ≥ 1½ ≥ 1¼ ≥ 1 ≥ ¾ ≥ ⅝ ≥ ½ ≥ 5/16 ≥ ¼ ≥ 0

NO CEILING

≥ 15000

≥ 10000

≥ 9000

≥ 8000
≥ 7000

≥ 6000
≥ 5000

≥ 4500
≥ 4000

≥ 3500
≥ 3000

≥ 2500
≥ 2000

≥ 1800
≥ 1500

≥ 1200
≥ 1000

≥ 900
≥ 800

≥ 700
≥ 600

≥ 500
≥ 400

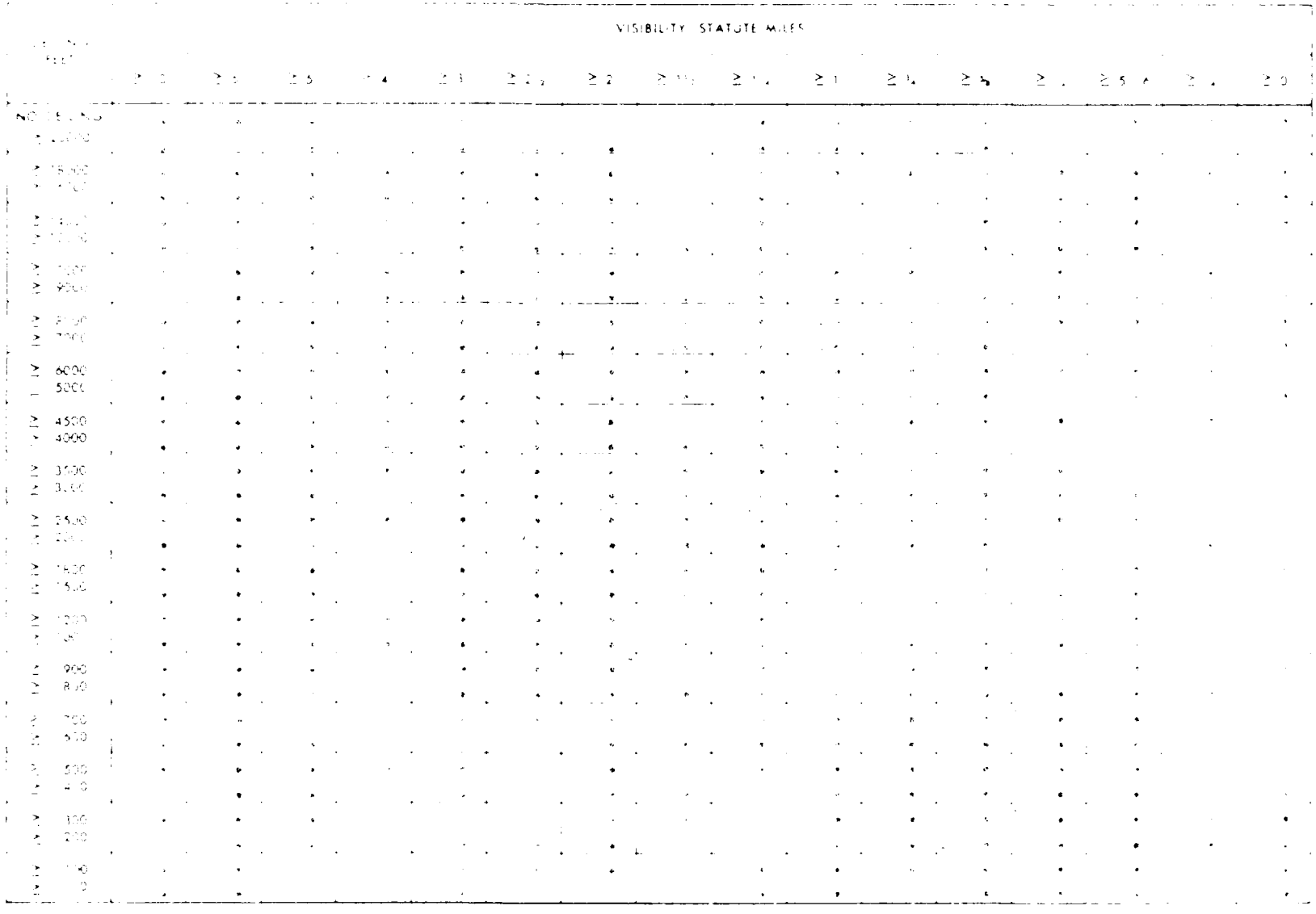
≥ 300
≥ 200

≥ 0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

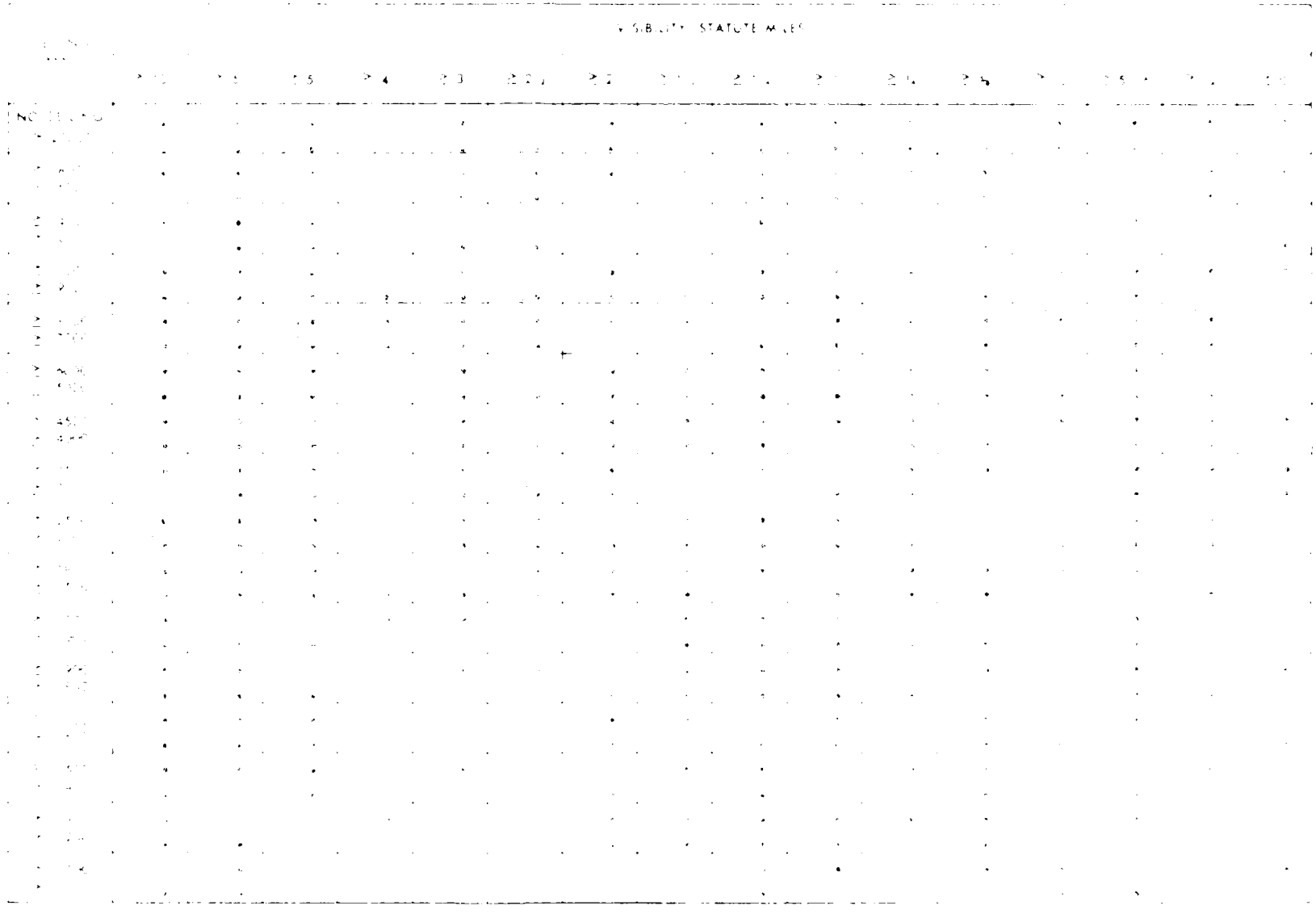
VISIBILITY STATUTE MILES

CEILING FEET

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

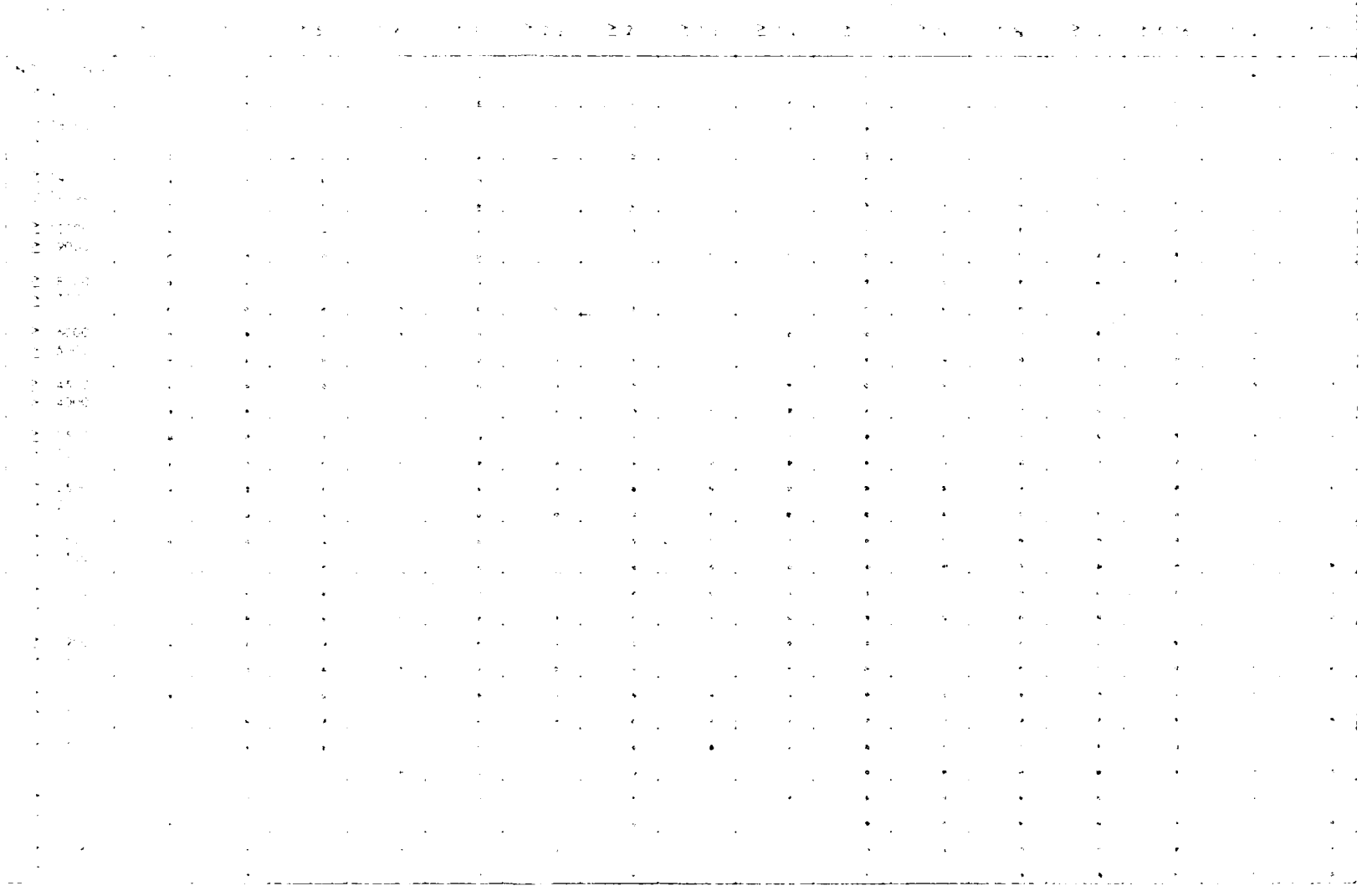
PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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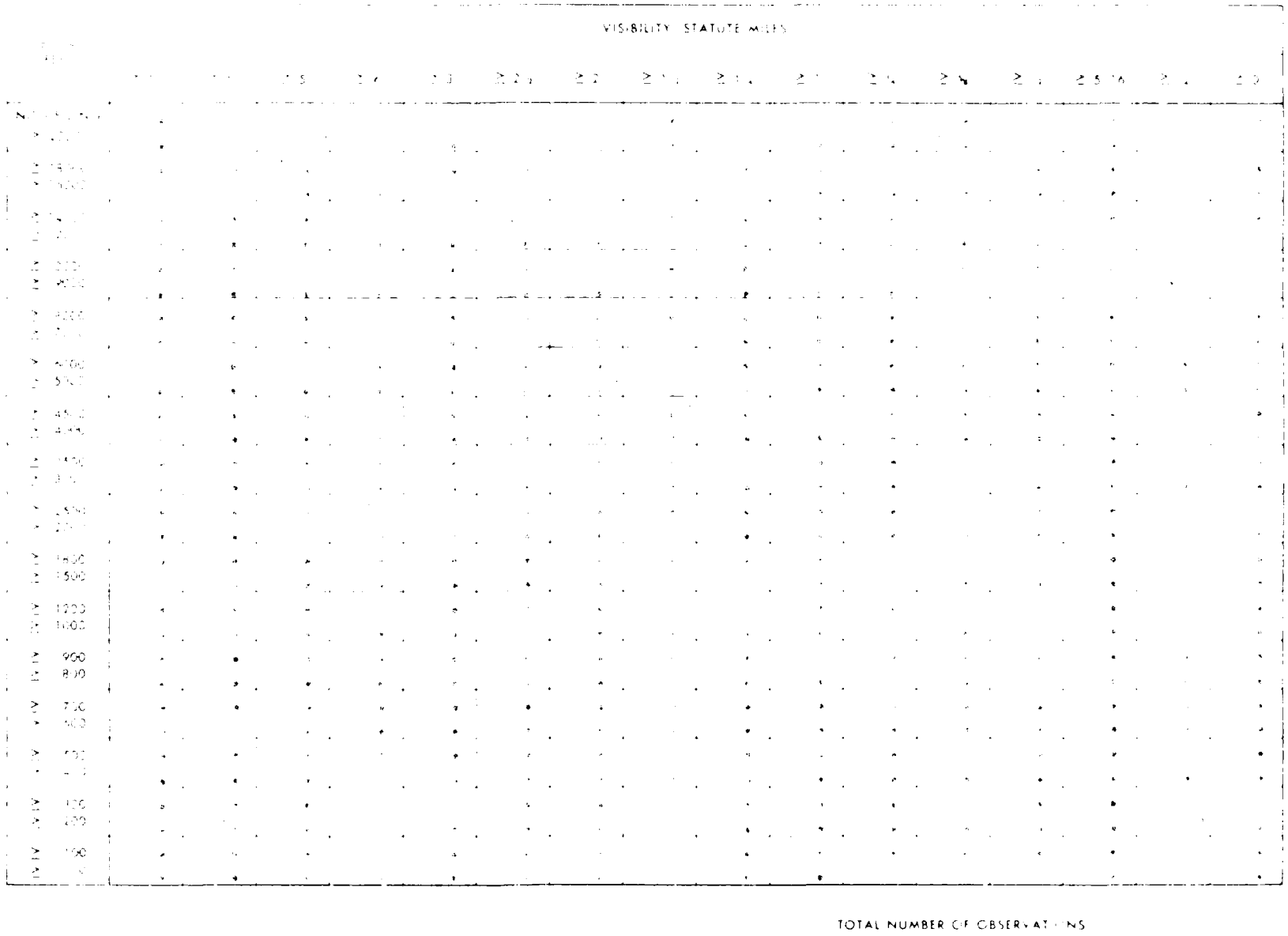
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	> 0	= 0
NO CEILING																
≥ 20000																
≥ 18000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

CEILING FEET

NO CEILING

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
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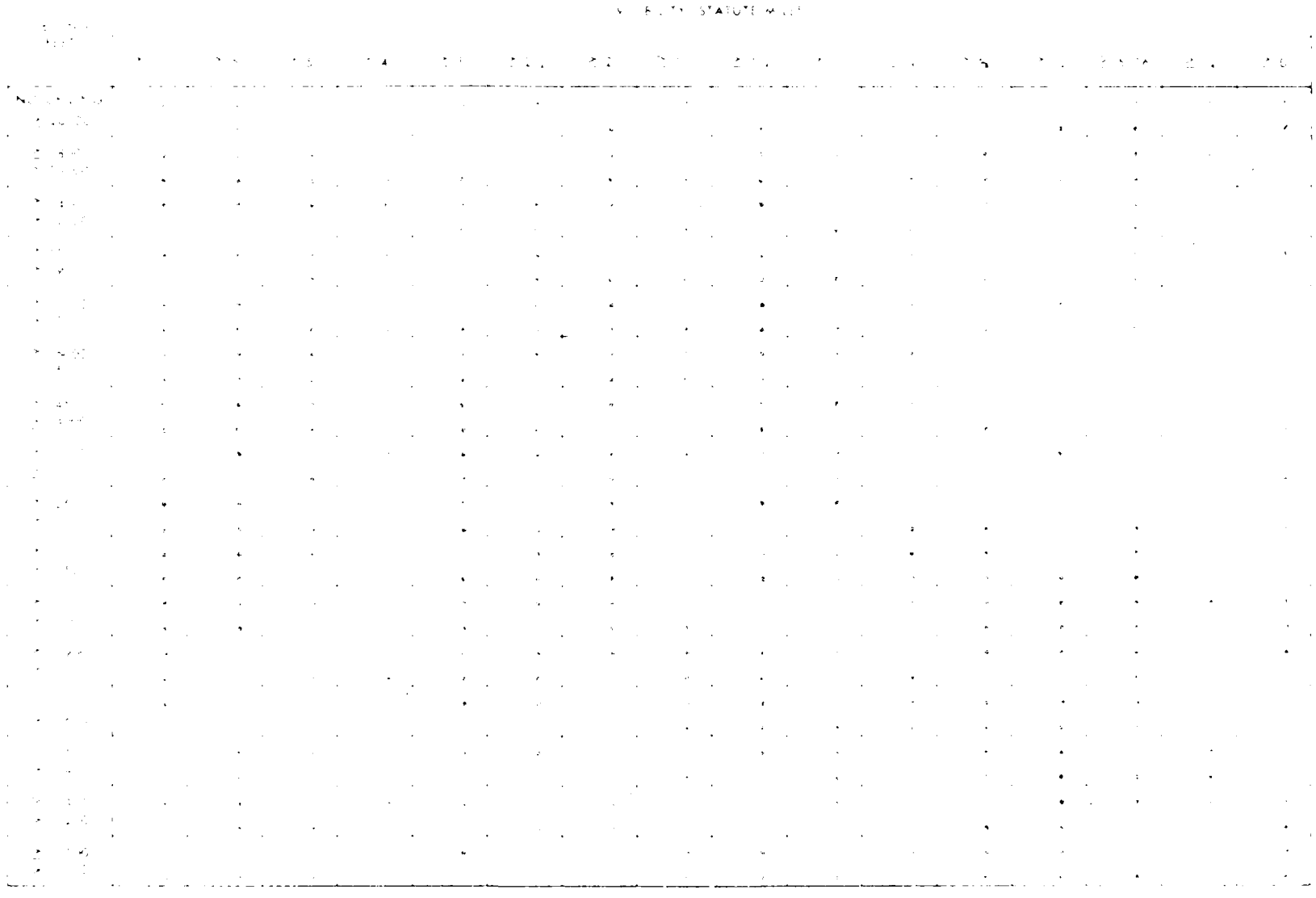
TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(24 HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING																	
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≥ 0																	

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
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≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET

NO CEILING
≥ 20000
≥ 18000
≥ 17000
≥ 14000
≥ 12000
≥ 10000
≥ 9000
≥ 8000
≥ 7000
≥ 6000
≥ 5000
≥ 4500
≥ 4000
≥ 3500
≥ 3000
≥ 2500
≥ 2000
≥ 1800
≥ 1500
≥ 1200
≥ 1000
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≥ 700
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≥ 500
≥ 400
≥ 300
≥ 200
≥ 100
≥ 0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

CEILING FEET	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 25000																
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≥ 50																
≥ 0																

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 7/16	≥ ¼	< ¼
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

VISIBILITY STATUTE MILES

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼
NO CEILING															
≥ 20000															
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≥ 80															
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≥ 60															
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≥ 40															
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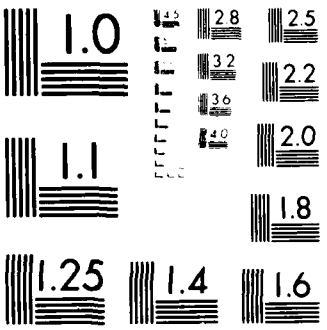
≥ 20															
≥ 10															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

AD-A150 378 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
CHINA LAKE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL



MICROCOPY RESOLUTION TEST CHART

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) _____

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) _____

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L S T _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
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≥ 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS

DIPMAV/OCEANMET 5MOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS _____

DMAAC OCEANNET 10005

NAVAL WEATHER SERVICE ESTABLISHMENT WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

HOURLY CLEARSHEET FORM

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 10000																
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TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DEVELOPMENT ACTIVITY

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
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≥ 10000															
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≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 5/16	> 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
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≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES ≥10	≥7	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING																
≥ 20000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
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≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANDET

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5110S

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS L S T

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	> 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 5/16	≥ 0
NO CEIL																
≥ 20000																
≥ 18000																
≥ 15000																
≥ 14000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 5/16	≥ 0	< 0
NO CEILING																
≥ 22000																
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≥ 200																
≥ 100																
≥ 0																

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY STATUTE MILES ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

VISIBILITY STATUTE MILES

CEILING FEET

≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0

NO CEILING
≥ 20000
≥ 18000
≥ 16000
≥ 14000
≥ 12000
≥ 10000
≥ 9000
≥ 8000
≥ 7000
≥ 6000
≥ 5000
≥ 4500
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≥ 3000
≥ 2500
≥ 2000
≥ 1800
≥ 1500
≥ 1200
≥ 1000
≥ 900
≥ 800
≥ 700
≥ 600
≥ 500
≥ 400
≥ 300
≥ 200
≥ 100
≥ 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANSDET

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
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≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
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≥ 1200																
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≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DEPARTMENT WORKSHEET NO.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
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≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 7/16	> 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
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≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
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≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
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≥ 700															
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≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	> 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
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≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES ≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
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≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

OPTICAL CLEARINGHOUSE

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 400																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER 0	1	2	3	4	5	6	7	8	9	10	MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
TOTAL		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
TOTALS														

PERCENTAGE FREQUENCY [illegible]
(FROM HOURLY [illegible])

MONTH	HOURS S.T.	0	1	2	3	4	[illegible]	[illegible]	[illegible]	MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	[illegible]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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SKY COVER

PERCENTAGE FREQUENCIES OF OCCURRENCE
SOW HOURLY OBSERVATIONS

	PERCENTAGE FREQUENCIES OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF TOTAL SKY COVER	TOTAL NO. OF OBS.
	0	1	2	3	4	5	6	7	8	9	10		

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6		8	9	10		
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
	0	1	2	3	4	5	6	7	8	9	10		
TOTAL													

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER 0	1	2	3	4	5	6	7	8	9	10	MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]		[illegible]	[illegible]
[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
TOTAL														

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOUR	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]			[illegible]						[illegible]	11.[illegible]	[illegible]	[illegible]
		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]			[illegible]						[illegible]	11.[illegible]	[illegible]	[illegible]
		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]			[illegible]						[illegible]	11.[illegible]	[illegible]	[illegible]
TOTA		[illegible]			[illegible]						[illegible]	11.	[illegible]	[illegible]

SKY COVER

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
	0	1	2	3	4	5	6	7	8	9	10		
	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

SKY COVER

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	0	1	2	3	4	5	6	7	8	9	10	MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and comparison of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all years and all years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 1°F classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the [illegible] of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

   NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 1% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

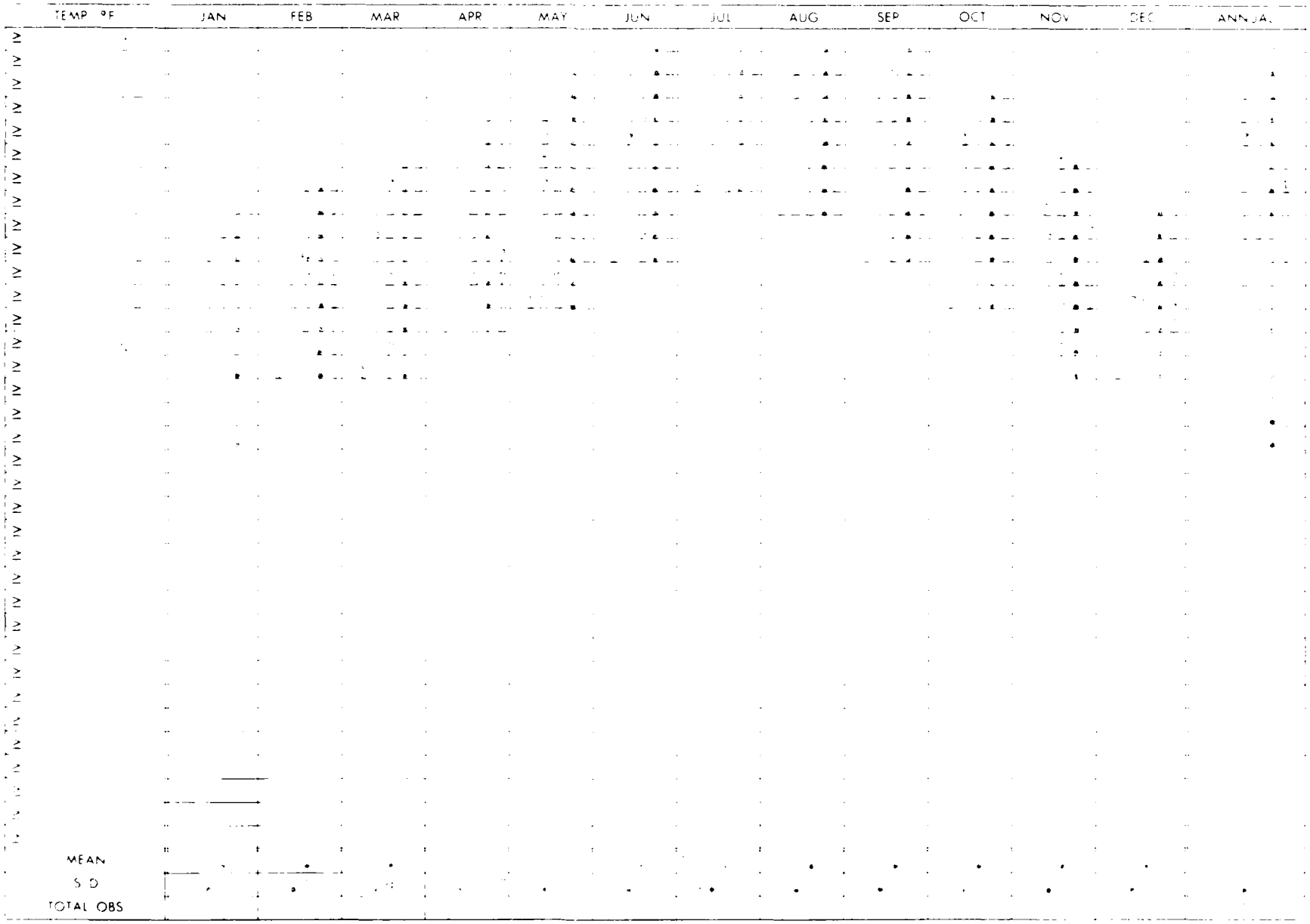
b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

[illegible] - [illegible] (plus sum).

DAILY TEMPERATURES

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS



NAVWEASERVCOM

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN													
S.D.													
TOTAL OBS													

NAVWEASERVCOM

DAILY TEMPERATURES

STATION STATION NAME YEARS

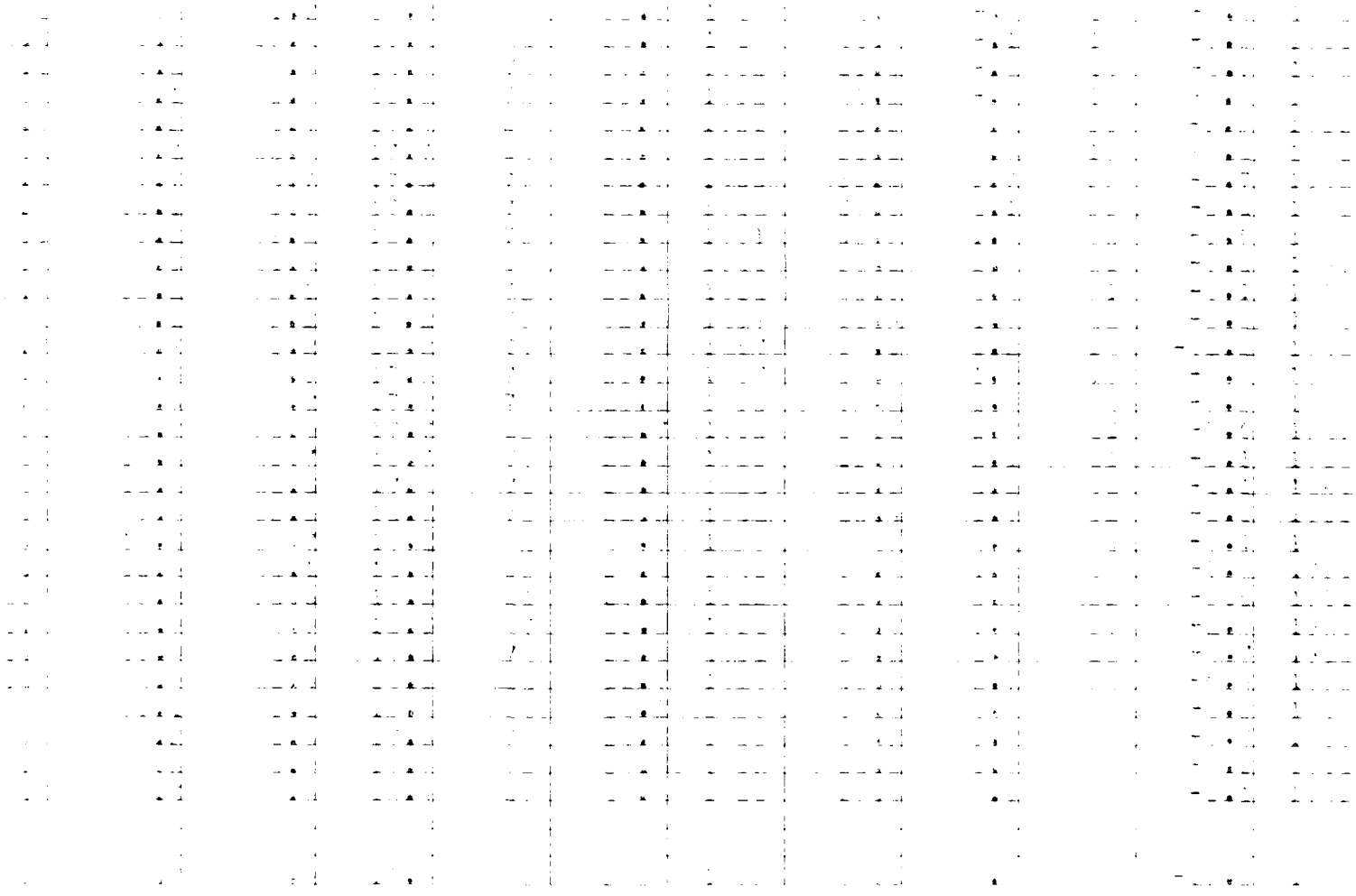
CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN													
S.D.													
TOTAL OBS													

NAVWEASERVCOM

DAILY AVERAGE/EXTREME TEMPERATURES

DAILY AVERAGE/EXTREME TEMPERATURES



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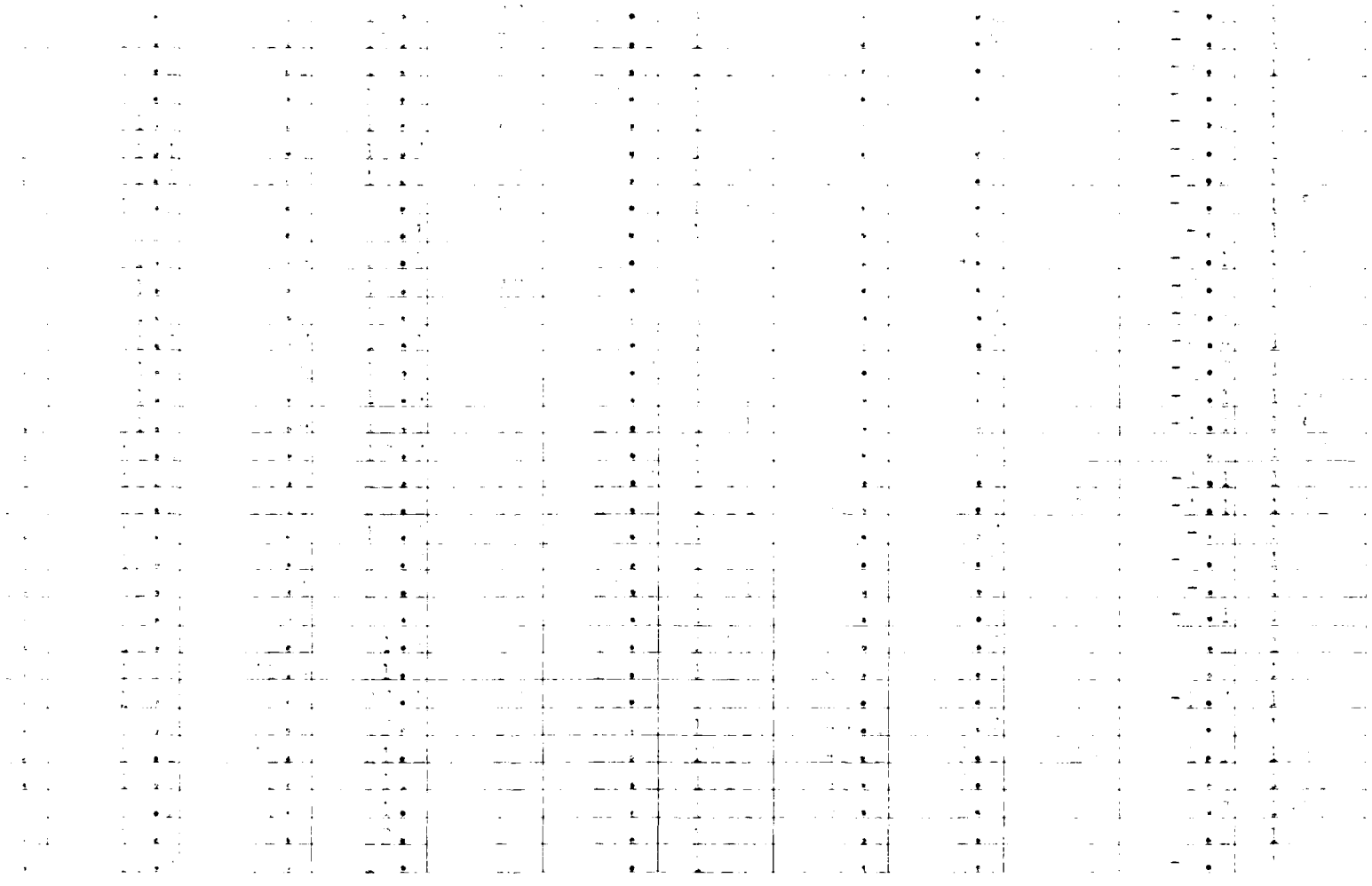

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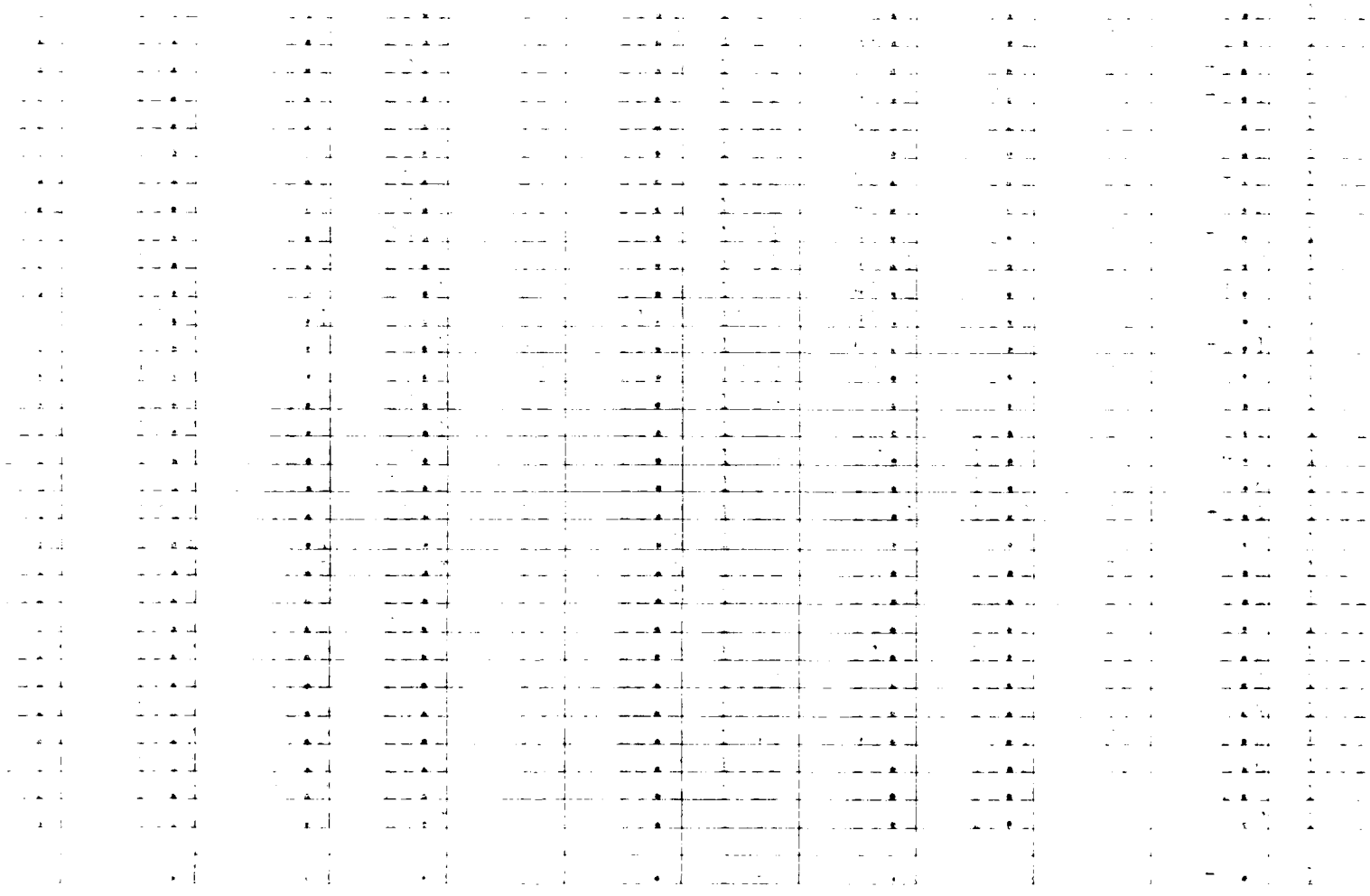

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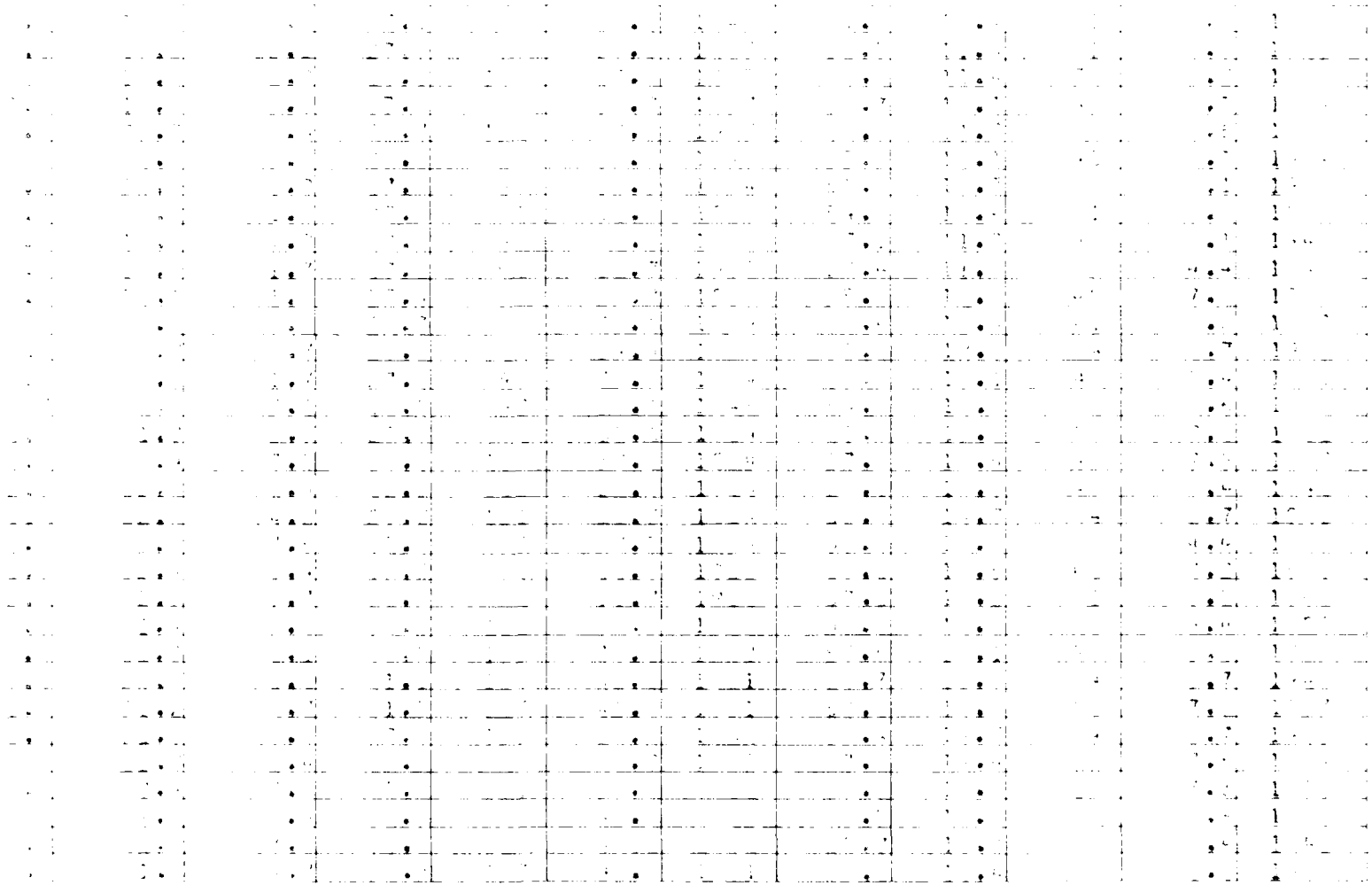
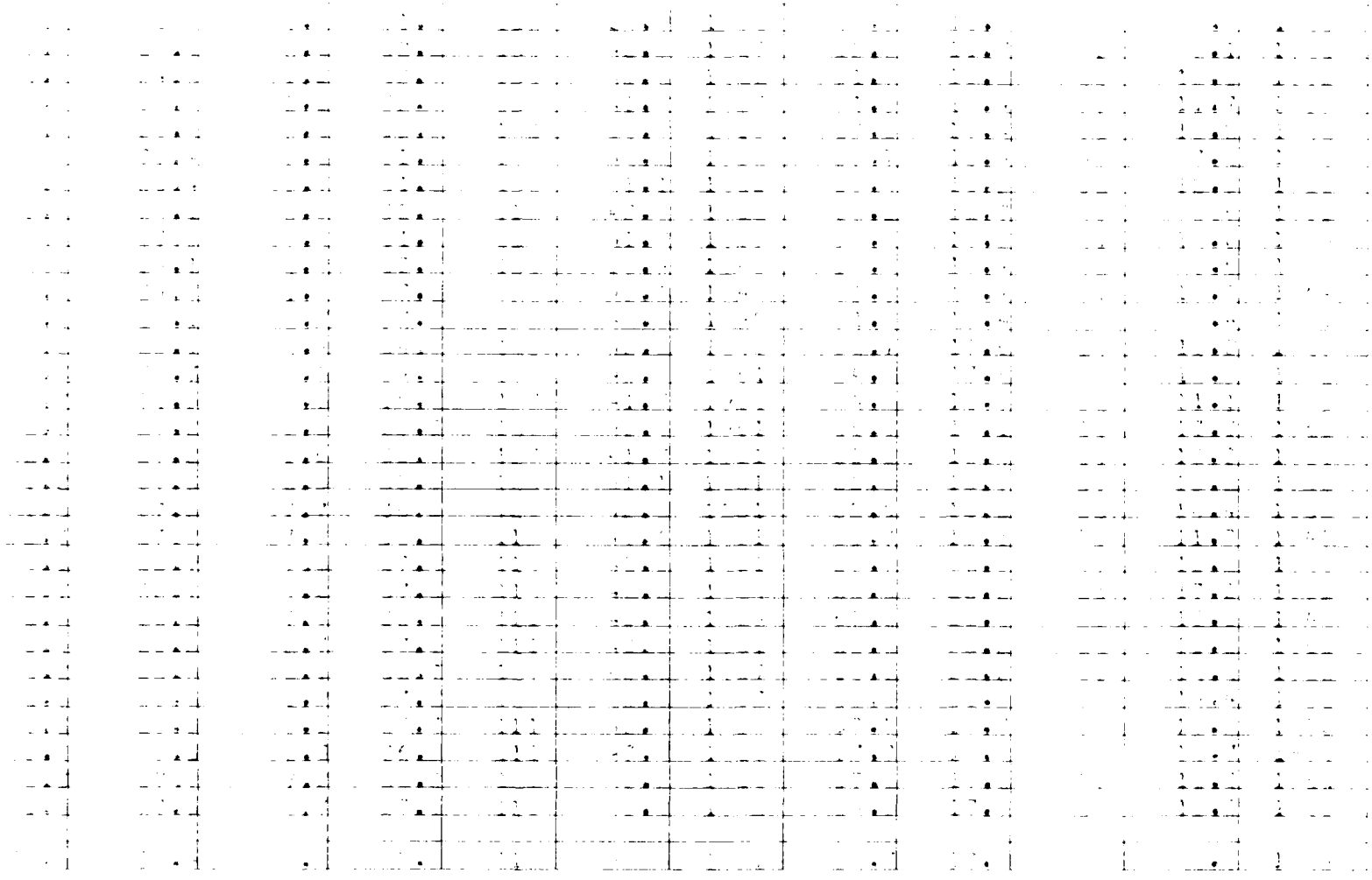


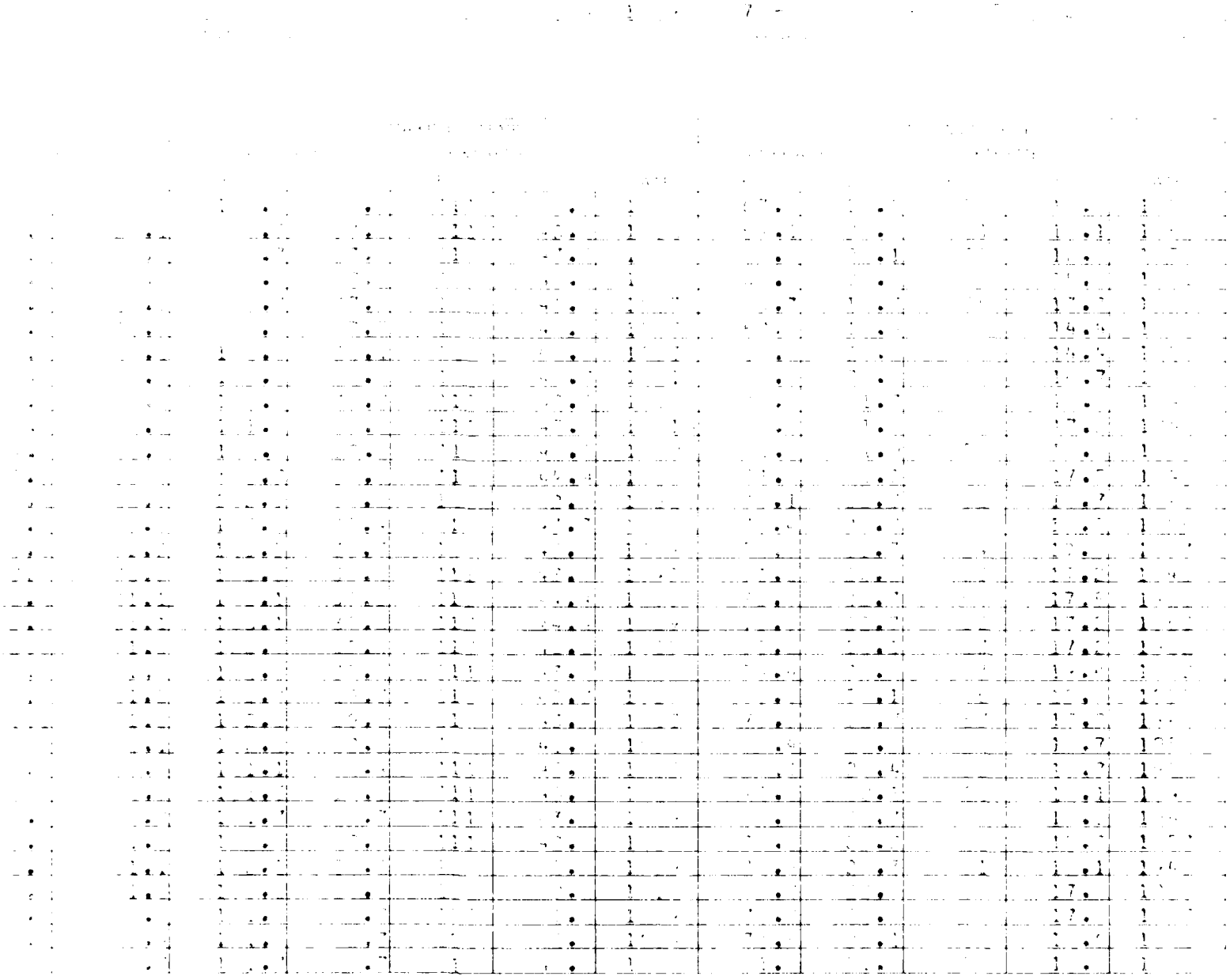
*ALSO OK CARRIER SCARS

DAILY AVERAGE/EXTREME TEMPERATURES



*ALSO ONE EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES



*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

| | | |

DAILY AVERAGE/EXTREME TEMPERATURES

			MAXIMUM TEMP					MINIMUM TEMP				
			AVERAGE		EXTREME			AVERAGE		EXTREME		
	F		F	C	F	C	DATE	F	C	F	C	DATE
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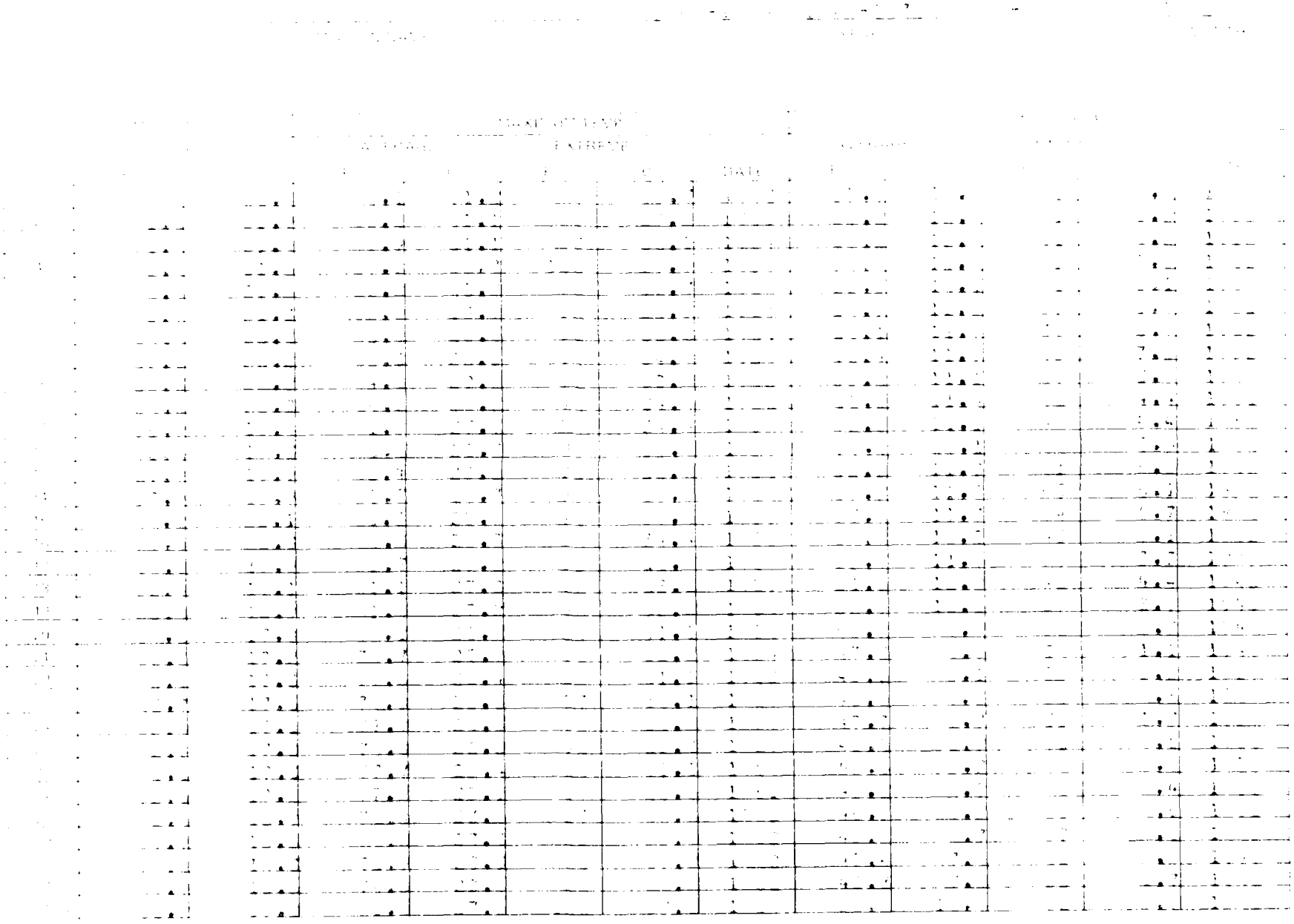
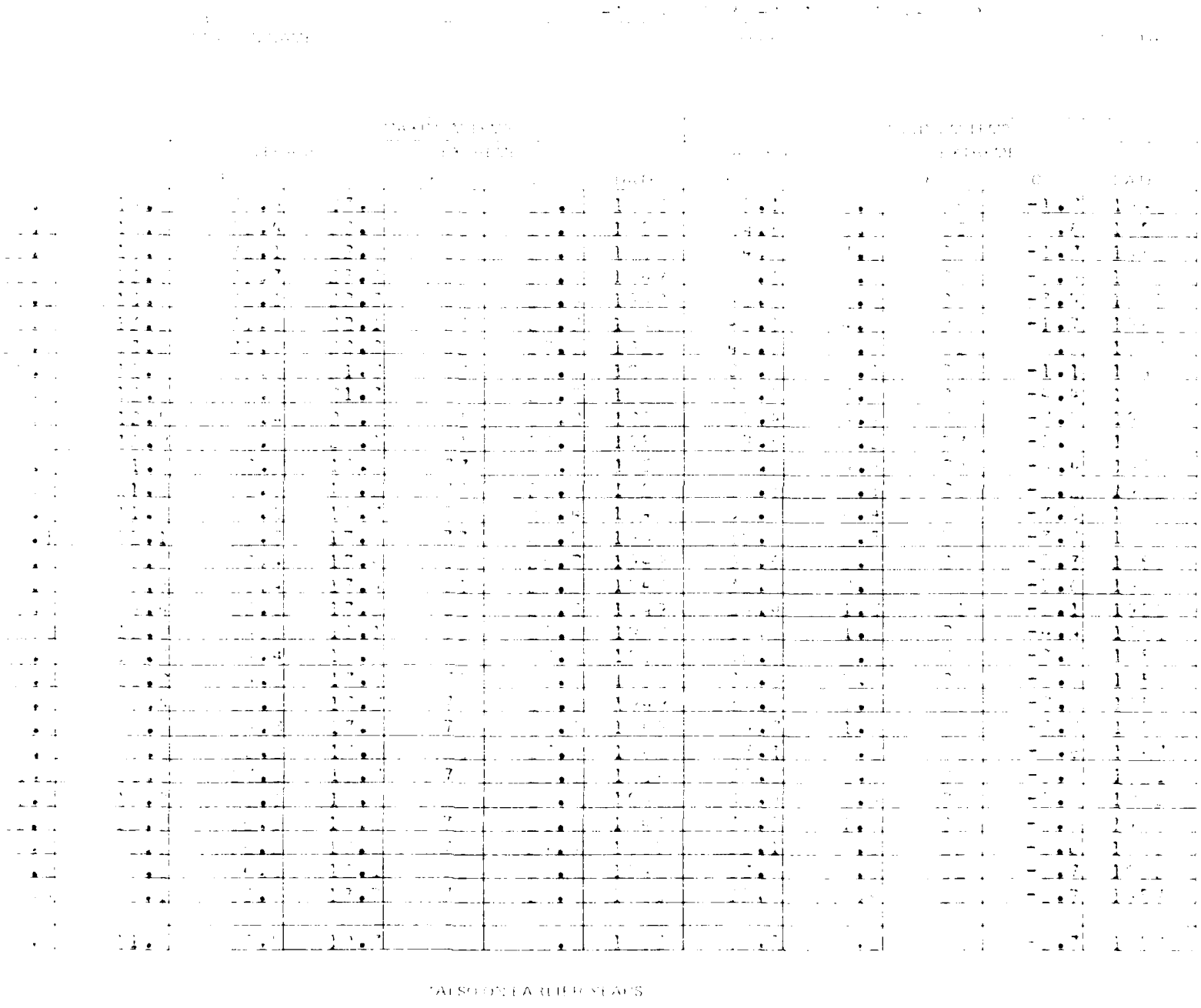
*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES



*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES



DIRNAVOCEANMET—SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

	MAXIMUM TEMP							MINIMUM TEMP						
	AVERAGE		EXTREME					AVERAGE		EXTREME				
	F	C	F		C		DATE	F	C	F		C		DATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*ALSO ON EARLIER YEARS

EXTREME VALUES

STATION NAME

YEARS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS

EXTREME VALUES

YEARS

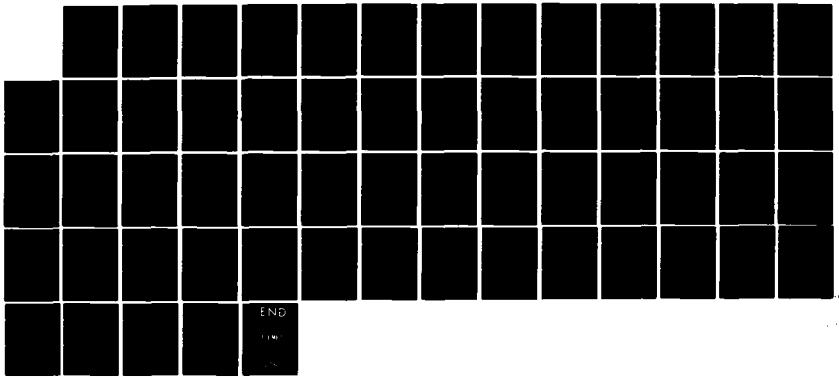
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS

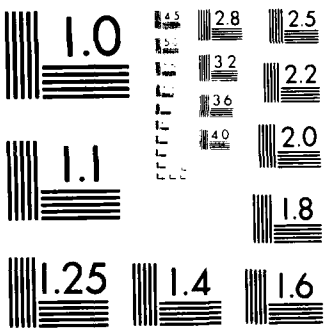
EXTREME VALUES

EXTREME VALUES

AD-A150 378 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) CHINA LAKE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC AUG 84 4/4

UNCLASSIFIED F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]												.1			.1			2	2		
[illegible]								.1			.1							2	2		
[illegible]								.1			.1	.2	.1					5	5		
[illegible]							.2	.1		.1	.3	.3						15	15		
[illegible]						.1			.2	.1	.2	.2	.3					12	22		
[illegible]						.1	.1	.3	.2	.2	.3	.5	.1					12	49		
[illegible]							.3	.4	.4	.6	.1	.2						36	36		
[illegible]				.1	.3	.2	.4	.4	.2	1.1	.4	.1						57	57	1	
[illegible]				.1	.1	.2	1.3	.1	1.2	.3	.1							66	66	1	
[illegible]		.1		.1	.2	1.1	.4	1.2	1.2	.5								79	79	5	
[illegible]			.1	.1	.2	.2	.2	.3	1.1	.5								75	75	3	
[illegible]			.2	.2	.2	1.2	1.3	1.2	.2	.1								73	73	5	2
[illegible]		.1	.3	1.2	.2	.9	1.2	1.1	.5									92	92	7	1
[illegible]		.5	.2	.3	1.1	1.6	1.5	1.5	.4									127	127	64	8
[illegible]	.1	1.1	.2	1.2	1.2	1.5	1.3	.2	.1									118	118	111	21
[illegible]	.5	.7	1.2	1.1	1.2	1.	.5	.2										124	124	132	27
[illegible]	.1	.6	.2	.2	1.4	.1	1.3	.1										8	86	147	37
[illegible]	.2	.5	.4	1.1	1.2	1.1	.2											9	90	171	57
[illegible]	.3	.7	1.1	1.1	1.3	.2	.2											79	79	169	75
[illegible]	.4	1.	.4	.2	.5	.2												54	53	1[illegible]	62
[illegible]	.1	.1	.5	.2	.2	.1												1	40	134	97
[illegible]	.2	.5	.7	.4	.4	.2												47	47	116	71
[illegible]	.1	.2	.3	.2	.2	.1												41	41	84	75
[illegible]	.1	.4	.4	.2	.1													32	32	64	94
[illegible]	.2	.3	1.2	.1	.1													34	34	43	104
[illegible]		.2	.4	.2														23	23	32	66
[illegible]		.2	.2	.2														15	15	37	111
[illegible]		.2	.1															6	6	22	59
[illegible]		.2	.1															3	3	15	72
[illegible]		.1	.1	.1														3	3	5	79
1 / 1		.1																4	4	2	72
[illegible]		.1																1	1	3	57
1 / 11		.1																1	1	7	46
[illegible]	.1																	1	1	2	41

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible]

HOURS (L S T) [illegible]

Temp. F	WET BULB TEMPERATURE DEPRESSION F. 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					15
[illegible]																					21
[illegible]																					5
[illegible]																					9
[illegible]																					4
[illegible]																					4
[illegible]	[illegible]	[illegible]	11.[illegible]	12.[illegible]	11.[illegible]	13.[illegible]	11.5	[illegible]	[illegible]	4.5	[illegible]	1.7	.6		.1				[illegible]		1501
																		1501		1501	

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum	[illegible]	71[illegible]4	47.[illegible]	[illegible]	1501							
Dry Bulb	[illegible]	71[illegible]1	47.[illegible]	11.113	1501		1.[illegible]	24.3	[illegible]			744.[illegible]
Wet Bulb	[illegible]16 4[illegible]	57777	[illegible]	[illegible].564	[illegible]		1[illegible]4.6					744.[illegible]
Dew Point	1171791	3[illegible]257	[illegible]	11.451	1501	1[illegible]	524.4					744.[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE 1

HOURS (L S T)

Temp F	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				
[illegible]															.1			1	1		
[illegible]											.1	.1	.1	.3	.1	.1		10	10		
[illegible]													.2	.2				6	6		
[illegible]											.1	.1	.2	.2				16	16		
[illegible]										.1	.3	.4	.6	.3				22	22		
[illegible]								.1	.1	.1	.3	.5	.4	.1				25	25		
[illegible]						.1		.1	.2	.4	.2	.5	.1					33	33		
[illegible]							.1	.3	.4	.2	.3	.2	.1					40	40		
[illegible]						.3	.1	.3	.6	.4	1.4	.6						56	56		
[illegible]					.1	.3	.4	.1	1.3	1.0	.2	.4						68	68		
[illegible]			.1		.1	.3	1.1	1.4	1.4	2.0	.							102	102		
[illegible]			.1		.3	.	1.[illegible]	1.2	2.4	1.7	.2							108	108	2	
[illegible]			.1	.4	.2	.2	.6	1.[illegible]	1.6	.8	.1							94	94	6	
[illegible]			.1	.4	1.1	1.	1.5	1.[illegible]	1.2	.4								103	103	17	1
[illegible]		.1		.6	.2	1.3	1.4	.4	.6									75	75	36	
[illegible]		.2	.4	.3	.6	1.4	1.3	.2	.5									86	86	67	4
[illegible]		.6	.5	.6	.6	2.[illegible]	2.2	.5	.2									103	103	121	9
[illegible]	.1	.4	.6	1.1	1.7	1.[illegible]	.6	.2										98	98	141	18
[illegible]	.1	.5	.4	.6	1.1	.3	.4	.1										58	58	151	21
[illegible]	.1	.7	.4	.4	.6	.6	.2											41	41	194	42
[illegible]	.4	.6	.4	.3	.4	.1	.3											33	33	156	59
[illegible]	.1	1.1	.6	.6	.7	.1	.1											48	48	132	67
[illegible]	.1	.2	.4	.3	.4	.1	.1											43	43	104	87
[illegible]	.2	1.2	.4	.5	.1	.1												38	38	71	73
[illegible]	.1	.3	.3	.4														24	24	55	97
[illegible]	.2	.2	.4	.4	.1													29	29	48	97
[illegible]		.2	1.[illegible]	.3	.1													22	22	31	113
[illegible]	.1	.2	.2	.2	.1													13	13	12	110
[illegible]		.1	.1															3	3	24	[illegible]
[illegible]		.2																3	3	11	95
[illegible]																				5	88
[illegible]			.1															1	1		89
[illegible]																				1	71
[illegible]																					42

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.							
Dry Bulb							
Wet Bulb							
Dew Point							

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible]

HOURS (L S T) [illegible]

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible] 17																					47
[illegible] 11																					37
[illegible]																					26
[illegible] 7																					17
[illegible]																					15
[illegible] 2																					4
[illegible] 1																					1
[illegible] 1																					1
[illegible]																					1
[illegible]	1.4	.6	5.9	3.7	9.7	11.0	11.5	11.0	10.1	7.3	5.5	3.4	1.7	1.7	.1	.1			1392		1392
																		1392		1392	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	11.[illegible]	[illegible]		34.3	73.9	26.6	3.4		672.0
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					672.0
Dew Point	[illegible]	[illegible]	[illegible]	9.[illegible]	[illegible]	[illegible]	449.0					672.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE 1

HOURS (L S T)

Temp F	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
/														.1	.1	.1		5	5		
/ 75												.1	.1	.3	.1	.1		11	11		
/ 77							.1					.7	.5	.1		.1		15	15		
/ 79											.7	.2	.7	.7	.1			30	30		
/										.7	.4	.5	.3	.5	.1			32	32		
/ 71									.1	.6	.7	.5	.5	.4				46	46		
/ 69							.1	.1	.3	1.0	1.3	.3	.3					60	60		
/ 67					.1		.3	.1	1.1	1.1	1.4	.3	.2					77	77		
/ 65				.1			.3	.5	1.9	1.3	1.6	.7						97	97	1	
/ 63				.1	.1	.7	.5	1.2	1.4	1.7	.5	.5						94	94		
/ 61					.3	.4	.6	2.2	2.0	.8	.7	.2						109	109		
/ 59					.5	.5	1.3	1.4	1.4	.9	.7	.1						106	106	2	
/ 57			.1	.5	.5	1.2	2.0	1.7	1.4	.7	.1							113	113	7	1
/ 55		.1	.1	.4	.6	1.4	1.2	1.5	1.0	.6	.1							112	112	38	
/ 53		.1	.4	.5	1.0	1.3	.3	.4	.7	.7								92	92	65	3
52 / 51		.4	.3	.7	1.1	1.7	.8	.5	.5	.2								100	100	113	5
/ 49		.3	.7	.7	1.5	1.0	.6	.7	.3									81	81	175	12
/ 47	.1	.7	.6	1.3	.9	.7	.4	.4										77	77	204	19
/ 45	.1	.5	1.0	.9	.8	.4	.4	.1										68	68	207	29
44 / 43	.3	.6	.8	.8	.5	.1	.1											48	48	181	52
/ 41	.5	1.2	.3	.5	.4	.3	.2											61	61	166	66
/ 39	.2	.7	.7	.7	.5	.4	.1											44	44	134	75
/ 37	.1	.2	.2	.1	.1	.1												21	21	93	125
/ 35	.1	.2	.4	.1	.1	.1												16	16	65	138
34 / 33	.1	.1	.2	.2	.1													10	10	31	153
32 / 31	.1				.1													2	2	24	119
/ 29		.1	.1	.1														5	5	14	107
/ 27			.1	.1														2	2	6	92
/ 25																				5	83
/ 23																				5	61
22 / 21																					64
/ 1																					59
1 / 17																					53
1 / 15																					51

WET BULB TEMPERATURE DEPRESSION (F)

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.							
Dry Bulb							
Wet Bulb							
Dew Point							

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] HOURS (L S T)

Temp F	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19	20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						7
[illegible]																						4
[illegible]																						7
[illegible]																						[illegible]
[illegible]																						1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1536		1536
																			1536		1536	

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	133.7	[illegible]	[illegible]		744.0
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					744.0
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	415.5					744.0

NAVWEASERVCOM

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T) 1

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																	.1	2	2		
[illegible]																	.1	1	1		
[illegible]																	.1	1	1		
[illegible]																	.1	1	1		
[illegible]															.2	.4	.2	14	14		
[illegible]															.5	.5	.4	20	20		
[illegible]														.1	.4	.7	.6	32	32		
[illegible]													.2	.7	.2	1.2	.2	44	44		
[illegible]													.6	1.2	.7	.5	.1	45	45		
[illegible]												.5	.6	1.4	1.1	.3		61	60		
[illegible]											.2	.7	1.3	2.3	.8	.1		80	80		
[illegible]										.1	.2	1.4	1.6	1.2	.1			73	73		
[illegible]										.1	1.2	1.5	1.2	.3	.3			70	70		
[illegible]							.1	.2	.1	1.0	1.5	1.7	1.4	.3	.1			95	95		
[illegible]						.1	.1	.2	.7	1.5	2.7	1.2	.7	.1				104	104		
[illegible]					.1	.1	.2	.2	1.2	1.3	1.7	1.1	.2					89	89		
[illegible]					.1		.1	.2	1.4	1.5	1.2	1.2						67	67		
[illegible]				.1	.1		.2	.3	1.1	2.1	.2	.3						62	62	2	
[illegible]			.1			.2	.2	1.3	1.0	1.2	.3	.1						74	74	7	
[illegible]		.1		.1	.1	.2	1.4	1.2	1.6	.8	.2	.1						80	80	29	
[illegible]				.1	.2		1.5	.3	1.4	.2	.1							82	71		1
[illegible]			.1	.1	.5	.2	1.2	.2	.5	.7								67	67	106	5
[illegible]		.1	.1	.2	.3	1.4	1.7	.3	.2	.1								72	72	165	1
[illegible]				.2	1.1	1.5	.2	.3	.1									65	65	128	3
[illegible]			.1	.2	.2	.4	.4	.3										35	35	191	5
[illegible]			.1	.2	.3	.2	.2											36	36	177	8
[illegible]		.1	.1	.2	.1	.4	.1											20	20	164	10
[illegible]		.1	.1	.2	.4	.2												18	18	156	20
[illegible]		.1		.2	.1	.1	.1											10	10	104	36
[illegible]		.1		.1	.1													2	2	62	67
[illegible]			.1	.1	.1													3	3	[illegible]	116
[illegible]																				19	127
[illegible]																				2	134
[illegible]																				4	128

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum							
Dry Bulb							
Wet Bulb							
Dew Point							

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] HOURS (L S T)

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																					116
[illegible]																					127
[illegible]																					117
[illegible]																					124
[illegible]																					92
[illegible]																					70
[illegible]																					51
[illegible]																					43
[illegible]																					33
[illegible]																					21
[illegible]																					16
[illegible]																					17
[illegible]																					2
[illegible]																					4
[illegible]																					2
[illegible]																					4
[illegible]																					2
[illegible]																					2
[illegible]																					1
[illegible]		[illegible]	[illegible]	7.0	1.4	7.0	9.3	7.0	9.3	10.3	10.6	9.3	7.9	7.9	4.9	3.5	1.9	1477	1477	1477	1477

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	41563	[illegible].1	15.[illegible]7	1477							
Dry Bulb	[illegible]	97361	66.1	11.203	1477			735.3	214.0	92.6	1.9	720.0
Wet Bulb	[illegible]	71321	48.4	5.672	1477		1.9					720.0
Dew Point	[illegible]	[illegible]	[illegible].5	[illegible]	1477	8.4	4[illegible].2					720.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MAY MONTH

PAGE 1 HOURS (L S T)

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																	.1	2	2		
[illegible]																	.4	5	5		
[illegible]																	.5	17	17		
[illegible]																.1	1.1	27	27		
[illegible]																.4	2.2	37	37		
[illegible]															.2	.7	3.1	53	58		
[illegible]													.2	.1	.7	1.4	3.7	70	79		
[illegible]												.1	.2	.2	1.1	2.5	1.2	93	93		
[illegible]											.1	.3	.2	1.5	1.5	1.5	.4	86	86		
[illegible]											.1	.5	.6	1.7	2.5	1.2	.1	90	90		
[illegible]											.1	.4	1.0	1.9	1.5	.1	.1	77	77		
[illegible]									.1	.1	.1	1.3	1.3	2.1	1.1	.1		96	96		
[illegible]									.2	.2	.5	1.5	1.6	1.1	.4			77	77		
[illegible]								.1	.4	.5	.7	1.2	1.3	.5	.1			71	71		
[illegible]								.1	.4	1.3	1.3	1.1	1.3	.4				92	92		
[illegible]					.1		.1	.7	.7	1.1	1.1	1.0	.9	.1				77	77		
[illegible]						.1		.2	.6	.3	1.2	1.0	.2					72	72		
[illegible]							.2	.	1.0	1.0	.5	.4	.1					63	63		
[illegible]				.2	.1	.4	.5	.6	1.0	.5	1.1	.2						64	64	12	
[illegible]				.1	.1	.1	.7	.4	.6	1.0	.6							49	49	41	
[illegible]			.1	.1	.2	.6	.4	1.1	.8	.7	.1							52	52	104	
[illegible]				.2	.2	.4	.7	.1	.2	.1								44	44	162	
[illegible]		.1		.2	.1	.2	.6	.4	.6	.2								35	35	202	3
[illegible]		.1	.2	.2	.2	.4	.4	.5	.1									31	31	222	6
[illegible]			.1	.1	.1	.4	.3	.1	.1									15	15	176	4
[illegible]		.1	.1	.1	.1		.2	.1										14	14	142	14
[illegible]		.1	.2		.1	.1	.1											8	8	123	22
[illegible]			.1				.1											2	2	96	35
[illegible]		.1			.1													2	2	67	49
[illegible]																				51	67
[illegible]																				1[illegible]	91
[illegible]																				13	[illegible]
[illegible]																				7	109
[illegible]																					1[illegible]

WET BULB TEMPERATURE DEPRESSION (F)

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] HOURS (LST)

Temp °F	WET BULB TEMPERATURE DEPRESSION °F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					117
[illegible]																					124
[illegible]																					114
[illegible]																					125
[illegible]																					64
[illegible]																					70
[illegible]																					55
[illegible]																					43
[illegible]																					17
[illegible]																					27
[illegible]																					14
[illegible]																					11
[illegible]																					5
[illegible]																					2
[illegible]																					1
[illegible]																					1
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1422		1422
																		1422		1422	

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	467.7	322.[illegible]	43.9	744.[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	5.47	[illegible]							744.[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	1422		3[illegible]4.7					744.[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS (L.S.T.)

Temp. F	0	1	2	3-4	5	6	7-8	9	10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																						4	4		
[illegible]																						1	13		
[illegible]																						72	72		
[illegible]																						44	44		
[illegible]																						45	45		
[illegible]																			1			75	75		
[illegible]																				1		32	32		
[illegible]																						1	1		
[illegible]																	1		7	1	7	123	127		
[illegible]																1			7	1	4	1	51		
[illegible]															1	2	2	1		1	2	9	9		
[illegible]													1		1	4	2	1	1	1	1	74	78		
[illegible]													1		1	1	1	1	1	1		67	69		
[illegible]									1					1	1	6	1	2	1	1	4	71	71		
[illegible]														1	4	1	3	1	1	1	1	71	71		
[illegible]									1				1	1	2	5	1	4	2	7	1	64	64		
[illegible]				1									7	7	7	5		2	1			56	56		
[illegible]										1				1	7	1	7	2	1			64	64		
[illegible]				1							1		4	1	1	4	4	1				45	45	1	
[illegible]							1				1		1	1	1	4	4					43	43		1
[illegible]											1		7	7	4	4	1					37	37	1	1
[illegible]										1	1		2	7	4	2	1					37	37	46	
[illegible]							1	1		2	1		7	1								19	19	3	1
[illegible]							1	1		1	1		2	7	1							13	13	172	1
[illegible]								1		1	1		1									5	5	217	1
[illegible]											1											1	1	224	1
[illegible]									1													1	1	1	1
[illegible]										1												1	1	172	2
[illegible]																								114	2
[illegible]																								2	1
[illegible]																								2	1
[illegible]																								17	47
[illegible]																									2
[illegible]																									7

WET BULB TEMPERATURE DEPRESSION F

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≤67 F	≤73 F	≥80 F	≥93 F	Total
Dry Bulb							
Wet Bulb							
Dew Point							

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PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element	X	ΣX²	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH: JUL | HOURS (L.S.T.): 1

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
121																			7		
115																		11	11		
117																	7	7	7		
111																	4.1	5	5		
111																	5	11	11		
111																.2	7.2	12	12		
116															.2	.5	7.2	116	116		
117													.1		.4	.2	5.4	11	11		
111													.1	.4	1.1	1.4	5.7	124	124		
112										.1			.7	.4	1.2	1.3	4.4	11	11		
111												.1	.2	.4	.4	2.2	3.1	98	98		
111												.2	.5	.7	1.3	1.2	1.4	86	86		
117									.2		.1	.4	.4	.4	.9	.2	.2	58	58		
111								.1	.1		.4	.5	.7	.5	.7	.2		44	44		
111						.1	.1	.1	.2	.1	.2	.7	.6	.3	.5		.1	56	56		
111							.1		.1	.1	.2	.5	1.7	.5	.1			55	55		
112						.1		.2	.2	.4	.6	.9	.2	.1				49	49		
117						.1	.1	.1	.2	.5	1.2	1.2	.5					53	53		
111					.2		.1	.1	.1	.4	.2	1.2	.4	.1				46	46		
111					.1			.2	.4	.2	.2	.2	.2					47	47	7	
111			.1					.1	.2	.1	.5	.2						19	19	25	
111						.1		.1	.4	.4	.2							18	18	26	3
117					.1		.1	.1	.1	.1								9	9	134	
116		.1						.1	.1		.1							5	5	228	6
111																				271	7
111								.1										1	1	224	7
111																				178	7
111																				11	18
111																				75	29
111																				4	51
111																				2	17
111																				1	56
117																				1	17
114																					1 7

Element X	$\bar{x}'$	$\bar{x}$	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

STATION NAME | YEARS | MONTH: JUL | HOURS: [illegible]

	WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL	
	0	2	3	4	5	6	7 - 8	9	10	11 - 12	13 - 14	15 - 16	17	18	19	20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
																											1
																											127
																											131
																											117
																											121
																											24
																											77
																											28
																											11
																											2
																											17
																											1
																											1
																											4
																											7
																											4
																											2
																											1
																											1
		.1		.1			.5		.5	.5	1.5	2.3	3.2	5.5	6.9	6.2	4.9	7.4	9.2	61.				1421		1421	
																							1421		1421		

Element X	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum	[illegible]	[illegible]	[illegible]	[illegible]	1421							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	1421			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	1421			[illegible]	[illegible]			[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	1421	[illegible]	[illegible]	[illegible]				[illegible]

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PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

WET BULB TEMPERATURE DEPRESSION F: 0, 1-2, 3-4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, ≥31

Temp F	TOTAL DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	1	1		
[illegible]	[illegible]	[illegible]		
[illegible]	1	1[illegible]		
[illegible]	[illegible]1	[illegible]1		
[illegible]	[illegible]4	44		
[illegible]	4[illegible]	[illegible]		
[illegible]	7[illegible]	7[illegible]		
[illegible]	1[illegible]7	1[illegible]7		
[illegible]	114	114		
[illegible]	1[illegible]2	1[illegible]2		
[illegible]	1[illegible]	[illegible]		
[illegible]	[illegible]7	97		
[illegible]	1[illegible]	1[illegible]		
[illegible]	94	94		
[illegible]	71	71		
[illegible]	[illegible]7	[illegible]7		
[illegible]	[illegible]3	[illegible]3		
[illegible]	[illegible]	63		
[illegible]	[illegible]1	[illegible]1	1	
[illegible]	[illegible]7	37	[illegible]	
[illegible]	4[illegible]	4[illegible]	[illegible]	1
[illegible]	[illegible]4	34	1[illegible]	4
[illegible]	[illegible]	36	7[illegible]	
[illegible]	[illegible]	25	14[illegible]	[illegible]
[illegible]	[illegible]	2[illegible]	1[illegible]	[illegible]
[illegible]	[illegible]	6	1[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]1[illegible]	[illegible]
[illegible]	[illegible]	3	233	[illegible]
[illegible]	1	1	1[illegible]4	1[illegible]
[illegible]			[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible]			4	[illegible]
[illegible]			[illegible]	7[illegible]
[illegible] 47				[illegible]

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

Mean No. of Hours with Temperature

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

HOURS (L.S.T.) [illegible]

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																						11[illegible]
[illegible]																						12[illegible]
[illegible]																						12[illegible]
[illegible]																						12[illegible]
[illegible]																						12[illegible]
[illegible]																						121
[illegible]																						9[illegible]
[illegible]																						[illegible]
[illegible]																						5[illegible]
[illegible]																						4[illegible]
[illegible]																						3[illegible]
[illegible]																						[illegible]
[illegible]																						1[illegible]
[illegible]																						1[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
1.																						[illegible]
[illegible]		.[illegible]	.[illegible]	.[illegible]	.[illegible]	.	1.7	2.[illegible]	[illegible].4	4.[illegible]	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].5	43.[illegible]	143[illegible]		143[illegible]	143[illegible]	143[illegible]

Element (x)	Σx²	Σx	x̄	σx	No. Obs	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	7[illegible]24	7[illegible]1[illegible]	.[illegible]	11.[illegible]	143							
Dry Bulb	11 11[illegible]	1[illegible]	[illegible]	[illegible].77	143			[illegible].4	[illegible]	[illegible]	321.[illegible]	744.[illegible]
Wet Bulb	[illegible]	[illegible]	1[illegible]	[illegible]	143			1[illegible]	[illegible]			744.[illegible]
Dew Point	[illegible]	[illegible]14	.[illegible]	[illegible]	143		142.[illegible]	[illegible]	.[illegible]			744.[illegible]

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PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D B	TOTAL W B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																	.1	1		1		
[illegible]																	[illegible]	4		[illegible]		
[illegible]																	[illegible]	1[illegible]		12		
[illegible]																	2.1	[illegible]		[illegible]		
[illegible]																.1	2.[illegible]	[illegible]		[illegible]9		
[illegible]															[illegible]	.1	5.6	[illegible]		[illegible]		
[illegible]															.2	[illegible]	4.[illegible]	64		64		
[illegible]													.1	.3	[illegible]	1.[illegible]	3.[illegible]	[illegible]		62		
[illegible]												.1	.1	.3	.9	1.[illegible]	3.[illegible]	7[illegible]		78		
[illegible]										[illegible]	.1	.1	[illegible]	1.[illegible]	1.4	1.[illegible]	1.[illegible]	[illegible]6		36		
[illegible]										.1	.1	.1	.9	1.[illegible]	1.[illegible]	2.1	[illegible]	104		104		
[illegible]									.1	.4	.7	[illegible]	1.2	1.4	2.0	1.5	[illegible]	112		112		
[illegible]								[illegible]		.4	.4	.6	1.1	1.4	.7	.7	.1	75		75		
[illegible]							.1	.1	.7	.2	.7	.7	1.[illegible]	.7	.5	.1		61		61		
[illegible]							.1	[illegible]	.4	.1	1.1	1.5	[illegible]	.7	[illegible]			67		67		
[illegible]						[illegible]	.2	.1	.1	[illegible]	1.4	1.[illegible]	.7	.4	.1			64		64		
[illegible]					[illegible]	.1	.1	[illegible]	.6	[illegible]	1.[illegible]	1.7	.6	.1				71		71		
[illegible]				.1	.1	.4	.4	[illegible]	.4	1.[illegible]	[illegible]	.4		[illegible]				[illegible]4		54		
[illegible]				.1	[illegible]		[illegible]	[illegible]	.4	[illegible]	.4	[illegible]	.2					[illegible]		35	1	
[illegible]		.1	.1	[illegible]	.1		.1	[illegible]	[illegible]	[illegible]	[illegible]	.1	.1					[illegible]		38	1[illegible]	
[illegible]		.4	[illegible]	.1	[illegible]	.4	.7	1.[illegible]	[illegible]	.7	[illegible]	.1	.1					63		63	63	[illegible]
[illegible]			.1	.1	.1	.4	.7	1.[illegible]	[illegible]	.4	[illegible]	.1						[illegible]		[illegible]	1[illegible]	[illegible]
[illegible]			[illegible]		[illegible]	.1	.1	[illegible]	[illegible]	[illegible]	.1							[illegible]		39	172	1[illegible]
[illegible]				.1		[illegible]	.4	[illegible]	[illegible]	.2								[illegible]2		22	1[illegible]	1[illegible]
[illegible]			[illegible]		.1	.4	.1	.4	[illegible]									[illegible]		2[illegible]	196	17
[illegible]				.1	.1	.1	.1	.4	.1									13		13	1[illegible]	1[illegible]
[illegible]						[illegible]		[illegible]										[illegible]		6	1[illegible]	[illegible]
[illegible]					.1	.1		.1										[illegible]		3	[illegible]4	[illegible]1
[illegible]							.1											1		1	56	[illegible]
[illegible]					.1													1		1	46	[illegible]1
[illegible]							.1											1		1	36	[illegible]
[illegible]																					24	9[illegible]
[illegible]																					1[illegible]	111
[illegible]																					[illegible]	12[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

3

PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible]

HOURS (L.S.T.) [illegible]

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																				[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					72
[illegible]																					66
[illegible]																					49
[illegible]																					47
[illegible]																					33
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					11
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					1
[illegible]																					[illegible]
[illegible]																					1
[illegible]																					1
[illegible]	[illegible]	[illegible]	[illegible]	1.6	2.[illegible]	3.7	7.[illegible]	[illegible]	[illegible]	7.[illegible]	6.7	7.0	8.7	9.3	9.5	25.[illegible]		1364	1364	1364	1364

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	37[illegible]7	[illegible]	15.[illegible]	1364							
Dry Bulb	[illegible]	112[illegible]	[illegible]	11.[illegible]	1364			[illegible]	564.[illegible]	447.5	157.3	[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	1364			[illegible]				[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	1364		176.3	1.1				[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible]

HOURS (L.S.T.) [illegible]

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
									WET BULB TEMPERATURE DEPRESSION (F)												
[illegible]																	[illegible]	6	6		
[illegible]																	[illegible]	3	7		
[illegible]																	[illegible]	8	[illegible]		
[illegible]															.1		[illegible]	9	9		
[illegible]														.1		.1	[illegible]	[illegible]	19		
[illegible]															.1	.2	[illegible]	13	18		
[illegible]														.1	.1	[illegible]	[illegible]	[illegible]	31		
[illegible]													[illegible]	.1	.4	1.5	[illegible]	42	42		
[illegible]											[illegible]	.1	.1	[illegible]	1.4	1.3	[illegible]	[illegible]	[illegible]		
[illegible]										.1		[illegible]	.6	1.1	1.1	.6		[illegible]	49		
[illegible]										.1	.1	[illegible]	[illegible]	[illegible]	1.7	.1	.1	72	72		
[illegible]										.1	.7	.7	[illegible]	[illegible]	1.1	.1		74	74		
[illegible]									[illegible]	.1	[illegible]	1.4	[illegible]	[illegible]	[illegible]	.1		[illegible]	97		
[illegible]									[illegible]	.7	[illegible]	1.1	[illegible]	[illegible]	.2			77	77		
[illegible]								[illegible]	[illegible]	[illegible]	1.1	1.1	[illegible]	[illegible]	.1			[illegible]	[illegible]		
[illegible]						.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.1	.1				[illegible]	[illegible]		
[illegible]					[illegible]		[illegible]	[illegible]	.4	[illegible]	[illegible]	1.4	[illegible]					71	71	1	
[illegible]					[illegible]	[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	1	
[illegible]					[illegible]	[illegible]	.4	[illegible]	[illegible]	1.1	[illegible]	.7	.1					[illegible]	[illegible]	3	
[illegible]			[illegible]	[illegible]	[illegible]	.1	[illegible]	[illegible]	1.4	[illegible]	[illegible]	.1						67	67	[illegible]	
[illegible]			[illegible]	.1		[illegible]	.7	[illegible]	1.1	.7	[illegible]							[illegible]	[illegible]	46	
[illegible]		.1	.1	.1	.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	55	[illegible]	
[illegible]			[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4								[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				.1	[illegible]	[illegible]	.4	[illegible]	.4	.1								47	47	[illegible]	[illegible]
[illegible]			[illegible]	.1	[illegible]	[illegible]	.7	[illegible]	[illegible]									[illegible]	[illegible]	156	11
[illegible]				[illegible]	[illegible]	[illegible]	.4	[illegible]	.1									[illegible]	[illegible]	145	[illegible]
[illegible]		.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]	144	14
[illegible]			[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	24	[illegible]	[illegible]
[illegible]		.1		[illegible]	[illegible]	[illegible]	[illegible]											16	16	[illegible]	[illegible]
[illegible]			[illegible]		.4	[illegible]	.1											[illegible]	[illegible]	[illegible]	47
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	.1											[illegible]	[illegible]	[illegible]	64
[illegible]			[illegible]	[illegible]	.1	.1												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]				[illegible]	[illegible]												[illegible]	[illegible]	[illegible]	75
[illegible]			[illegible]			.1												[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\overline{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp. F	WET BULB TEMPERATURE DEPRESSION F 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]					.1													1	1	1[illegible]	11[illegible]
[illegible]																					1[illegible]
[illegible]																					11[illegible]
[illegible]																					11[illegible]
[illegible]																					1[illegible]7
[illegible]																					[illegible]7
[illegible]																					[illegible]5
[illegible]																					74
[illegible]																					4[illegible]
[illegible]																					3[illegible]
[illegible]																					27
[illegible]																					2[illegible]
[illegible]																					1[illegible]
[illegible]																					7
[illegible]																					[illegible]
[illegible]																					7
	[illegible]	[illegible]	1.[illegible]	[illegible]	4.1	[illegible]	6.[illegible]	[illegible].4	7.[illegible]	[illegible].4	[illegible]	10.[illegible]	[illegible].6	9.[illegible]	[illegible].7	4.4	[illegible]	1424	1424	1424	1424

Element X	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature 0 F	32 F	67 F	73 F	80 F	93 F	Total
Rel. Hum.	[illegible]	2[illegible]415	[illegible]	1[illegible].[illegible]07	1424							
Dry Bulb	[illegible]	[illegible]1	7[illegible].1	12.[illegible]52	1424			41[illegible].[illegible]	22[illegible].	1[illegible].7	27.[illegible]	744.[illegible]
Wet Bulb	[illegible]	7[illegible]1[illegible]2	[illegible].7	[illegible]	1424		4.7	1.				744.
Dew Point	[illegible]	4[illegible]77	[illegible]	[illegible]1	1424		44.					744.

3

PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

F	WET BULB TEMPERATURE DEPRESSION F																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D B	W B	Dry Bulb	Wet Bulb	Dew Point

Element X	Σx^2	Σx	$\bar{X}$	σ_x	No Obs	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

3

PSYCHROMETRIC SUMMARY

STATION NAME | YEARS | MONTH

HOURS L.S.T.

| | WET BULB TEMPERATURE DEPRESSION F | | |

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20	21-22	23	24	25	26	27-28	29	30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
77															.1							1	1		
75													.1												
73													.1		.1										
71								.1					.1		.2		.1								
69											.1	.1	.2		.2		.1								
67						.1		.1		.1	.1	.1	.1												
65							.1			.4	.2	.1	.1		.1										
63			.1			.1	.1	.6		.3	1.0	.1	.7												
61					.1		.4	.1		.4	1.0	.1	.4												
59					.1	.1	1.1	1.4	1.4	1.4	1.0	.1													
57				.1	.1	.2	.5	1.1	1.3	1.2	.2														
55				.1	.4	.2	1.1	2.3	1.4	.2	.1														
53		.1		.1	.2	.2	1.2	1.2	.3	.7															
51		.1	.1	.4	.2	.2	1.3	1.1	.2	.1															
49	.1	.1	.2	.2	.1	1.1	1.5	1.1	.4																
47		.1	.2	.7	.4	1.1	1.2	.6	.2																
45		.1	.5	.5	1.1	1.5	1.5	1.1	.1																
43	.1	.2	.4	1.1	.5	.5	.2																		
41	.2	.1	.1	1.1	.5	.1																			
39	.2	.1	.2	.2	.1																				
37	.1	.1	.1	.1																					
35	.1	.1	.1																						
33	.1																								
31	.1																								
29																									
27																									
25																									
23																									
21																									
19																									
17																									
15																									
13																									
11																									

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.							
Dry Bulb							
Wet Bulb							
Dew Point							

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

Temp. F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL DB WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
/-																					
/-																					
/-																					
/-																					
/-11																					

Element x	Σx	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

PSYCHROMETRIC SUMMARY

WET BULB TEMPERATURE DEPRESSION °F

| | | |

PSYCHROMETRIC SUMMARY

| Wet Bulb Temperature Depression F | | |

MEANS AND STANDARD DEVIATIONS

YEARS

		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT.	NOV.	DEC	ANNUAL
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.1	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	223	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1424	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

[illegible]

YEARS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC.	ANNUAL
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.8	47.7	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	221	[illegible]	[illegible]	[illegible]	217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]
MEAN													
S.D.													
TOTAL OBS													
MEAN													
S.D.													
TOTAL OBS													
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS	[illegible]	[illegible]	[illegible]	1427	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

YEARS

		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	1477	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1424	[illegible]	[illegible]	[illegible]

3

WEATHER SERVICE DETACHMENT
NORTH CAROLINA

RELATIVE HUMIDITY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL [illegible]
				PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.7	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OCEANAV—SMOS

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

3

[illegible] WEATHER [illegible] DETACHMENT
[illegible]

RELATIVE HUMIDITY

STATION
STATION NAME
YEARS
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
				PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								
		[illegible]	[illegible]	[illegible]	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]7.1	[illegible]	[illegible]	[illegible]	7.[illegible]	7.	1.[illegible]	[illegible].4	[illegible]
		.7	[illegible]	34.7	16.	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]
		[illegible]	.4	[illegible]1.7	[illegible]	11.[illegible]	[illegible].1	4.1	[illegible].1	1.7	2[illegible]	[illegible]
		[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]1.7	1[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	4.[illegible]	[illegible].7	[illegible]	[illegible]	14.[illegible]	4.[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	.1	[illegible]7.1	[illegible]	[illegible]	[illegible]1.[illegible]	14.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

3

RELATIVE HUMIDITY

STATION | STATION NAME | YEARS | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	[illegible]	[illegible]	[illegible]	[illegible]	4.	[illegible]	[illegible]	[illegible]	1.4	.7	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	31.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7	.7	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	11.[illegible]	4.[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]		[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	1[illegible]	7.[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]		[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	10.4	[illegible]	[illegible]	1.[illegible]	[illegible]		[illegible]	[illegible]
	[illegible]	[illegible]	7.	[illegible]	[illegible]	.7	[illegible]	1.4			[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.[illegible]	1.[illegible]	.7	.[illegible]	[illegible]	1477

OCEANAV—SMOS

RELATIVE HUMIDITY

STATION NAME

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	31
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
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		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50	60%	70%	80%	90%		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]
	TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF OBS
		10%	20%	30%	40%	50	60	70%	80%	90%		
TOTALS												

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

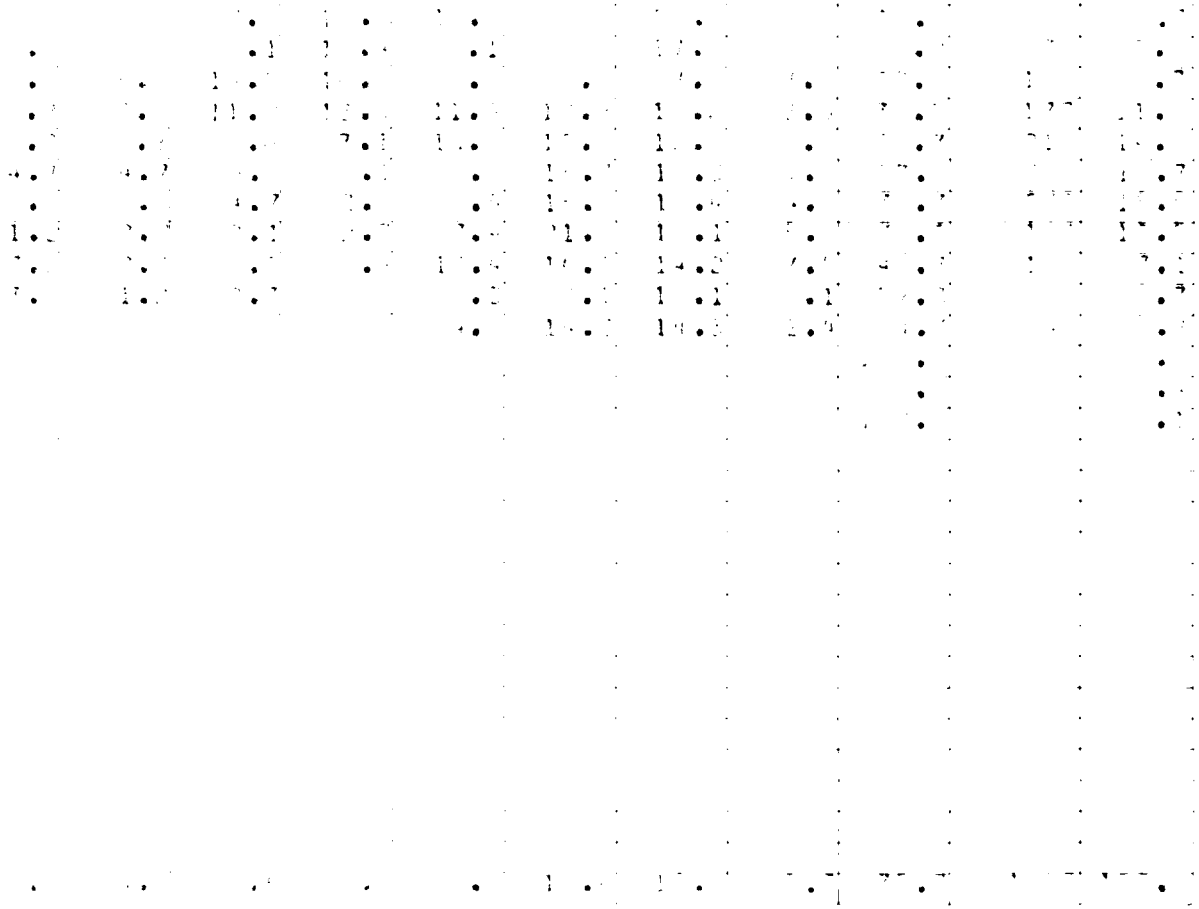
RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

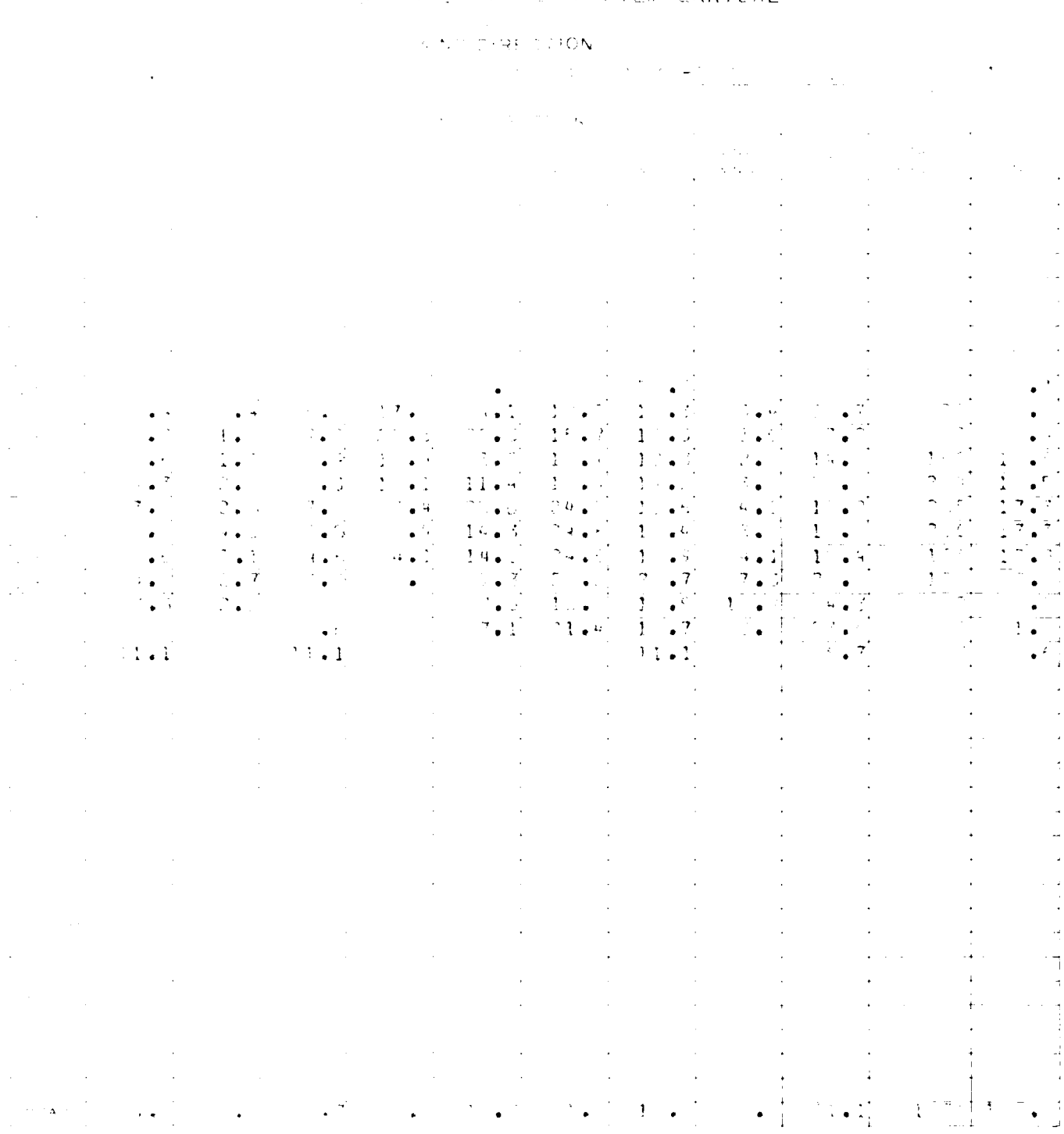
OCEANAV—SMOS


AIR TEMPERATURE
CORRECTION

[illegible] RANGE OF AIR TEMPERATURE

[illegible] DIRECTION

[illegible]

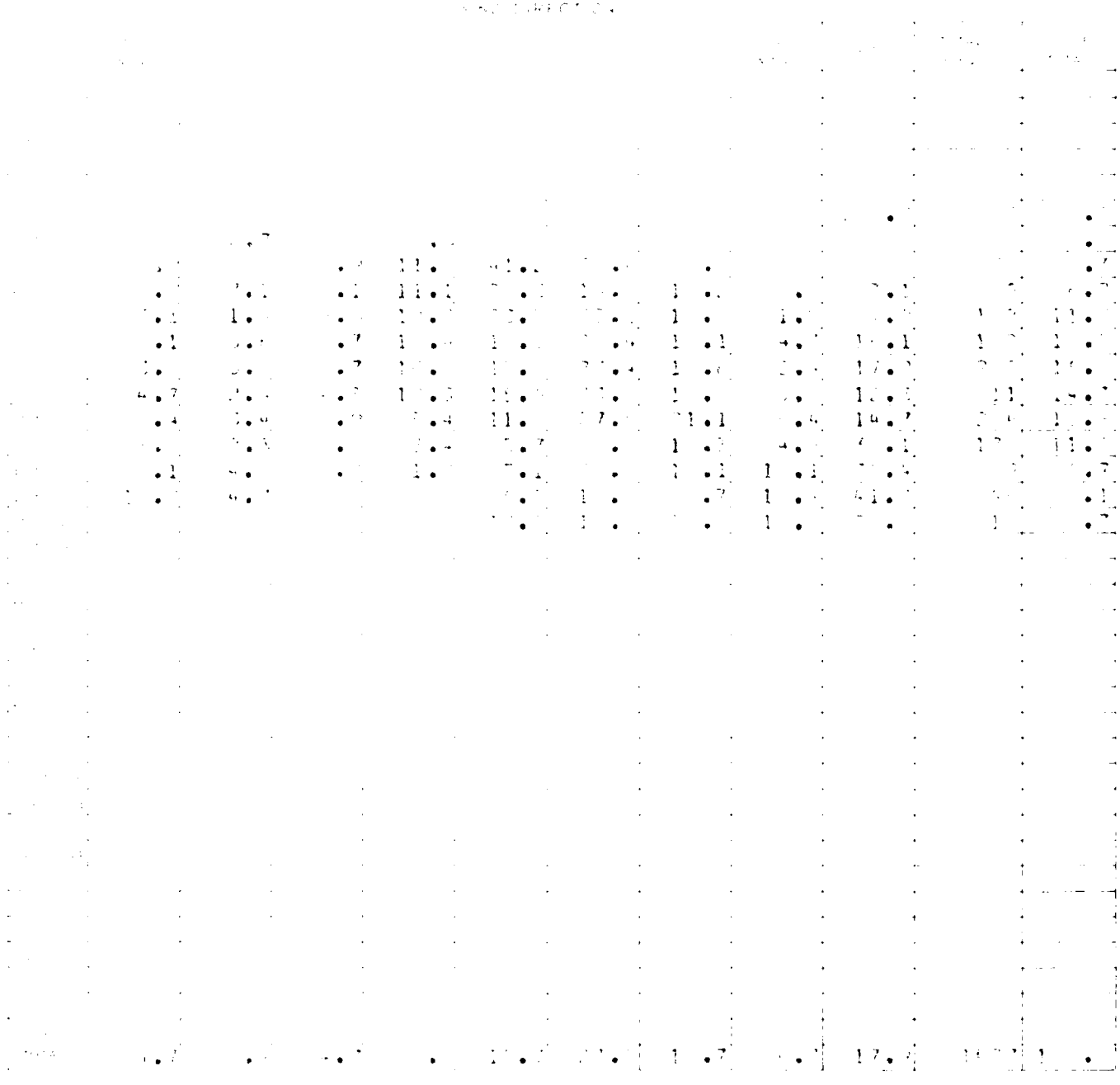

TEMPERATURE

PERCENTAGE OF FREQUENCY OF AIR TEMPERATURE

VS

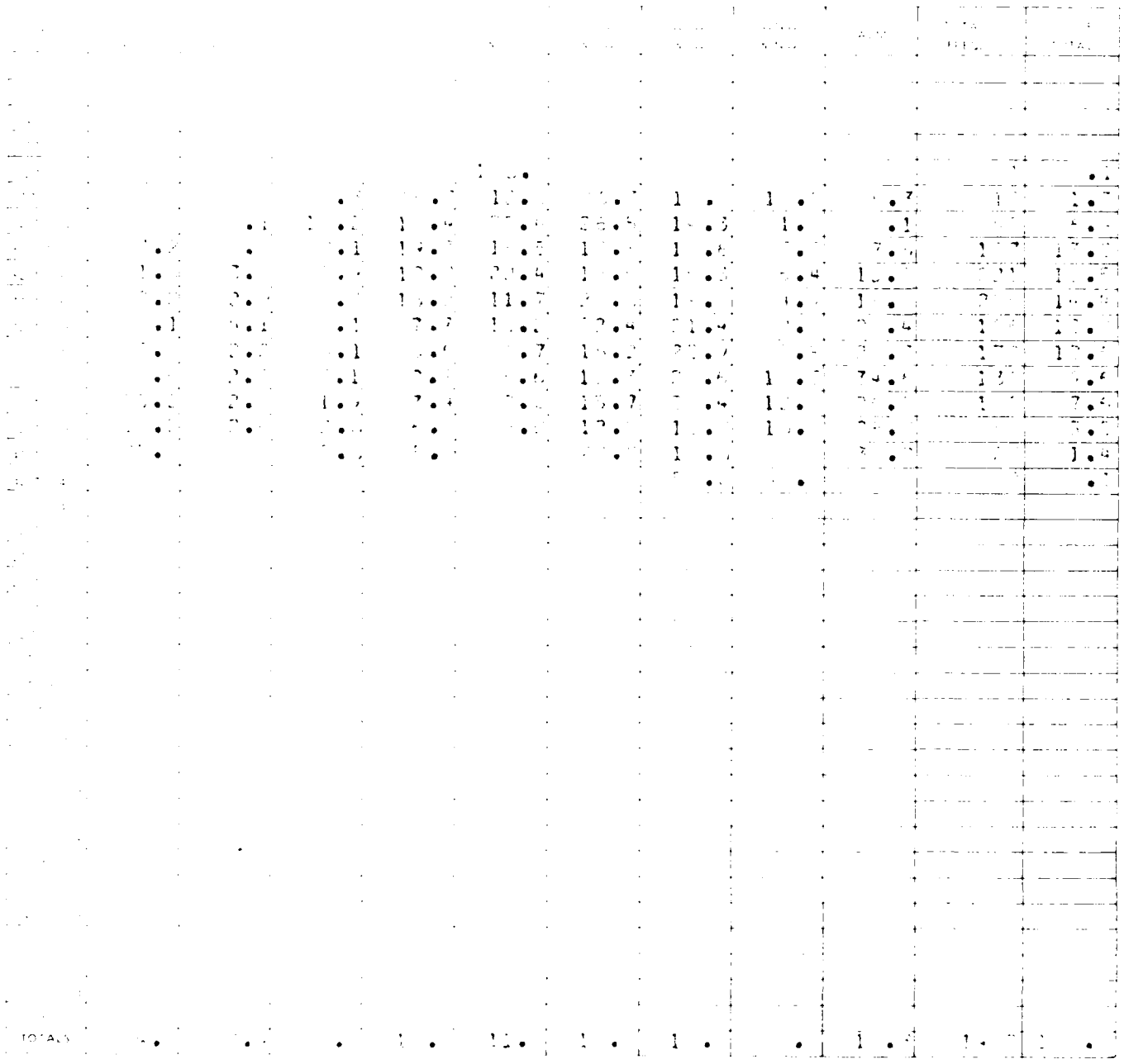
WIND DIRECTION

WIND DIRECTION



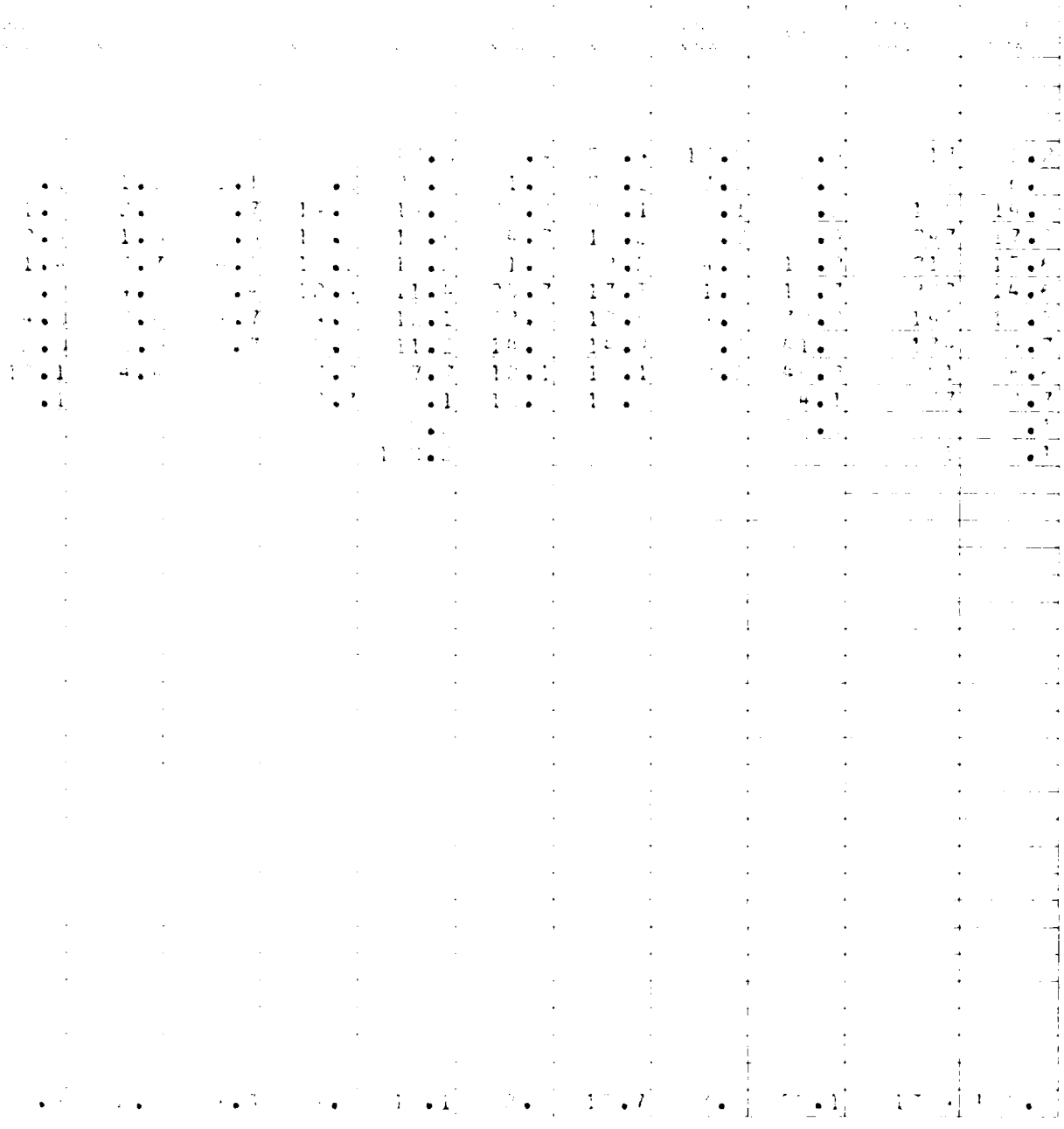
PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS
WIND DIRECTION

WIND DIRECTION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION



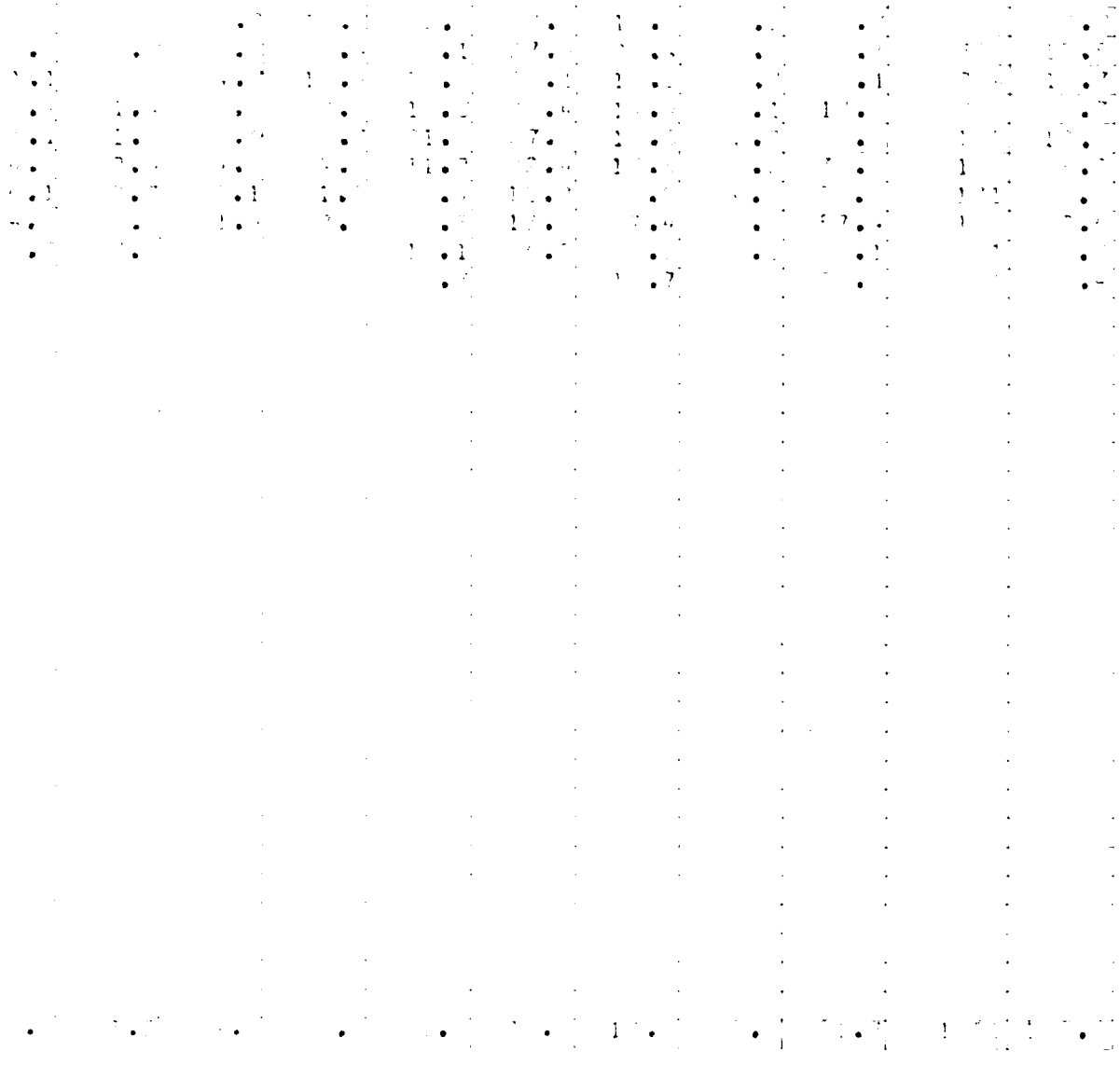
3

[illegible] FREQUENCY OF AIR TEMPERATURE

[illegible]

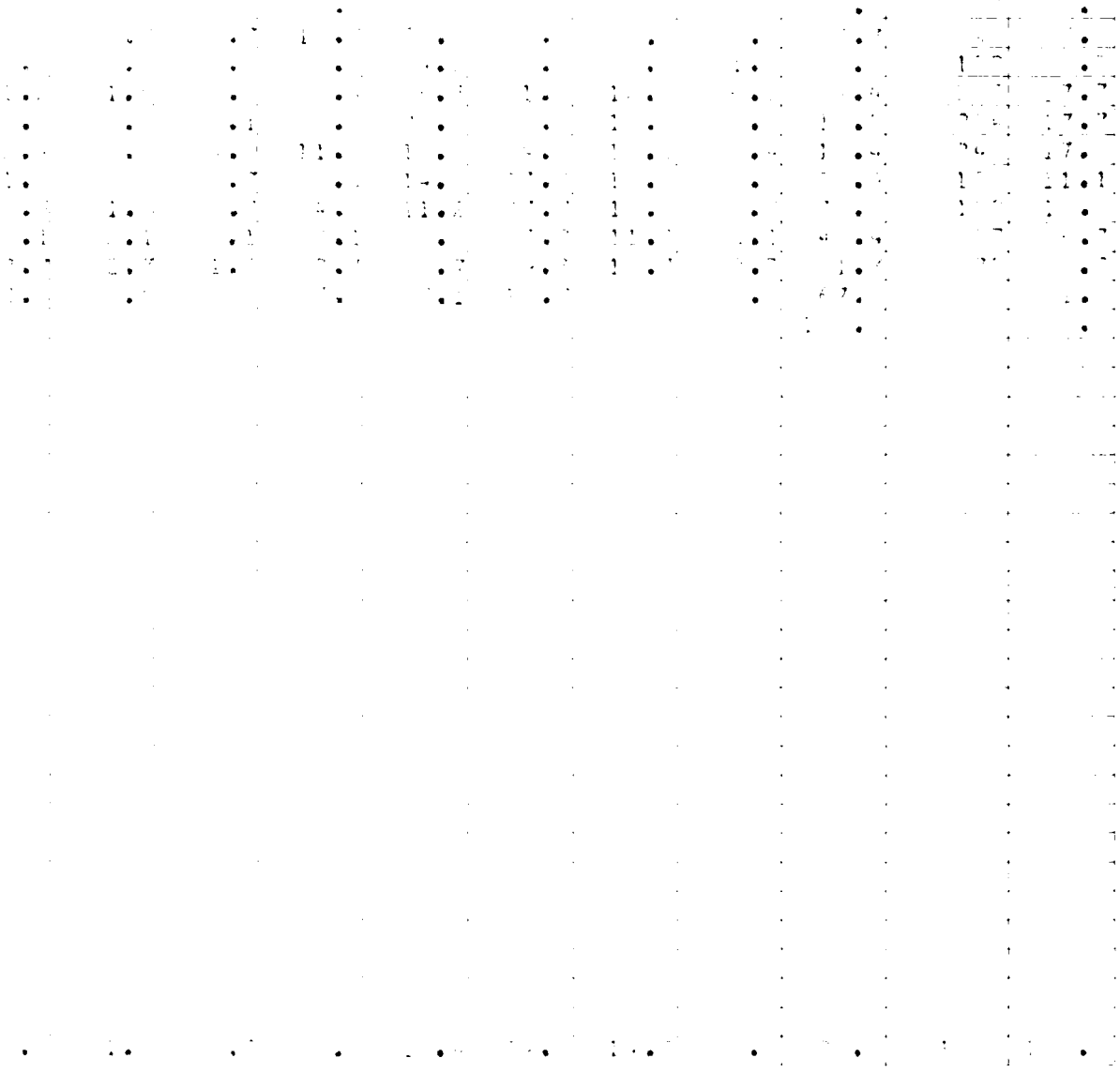
[illegible] DIRECTION

[illegible] DIRECTION



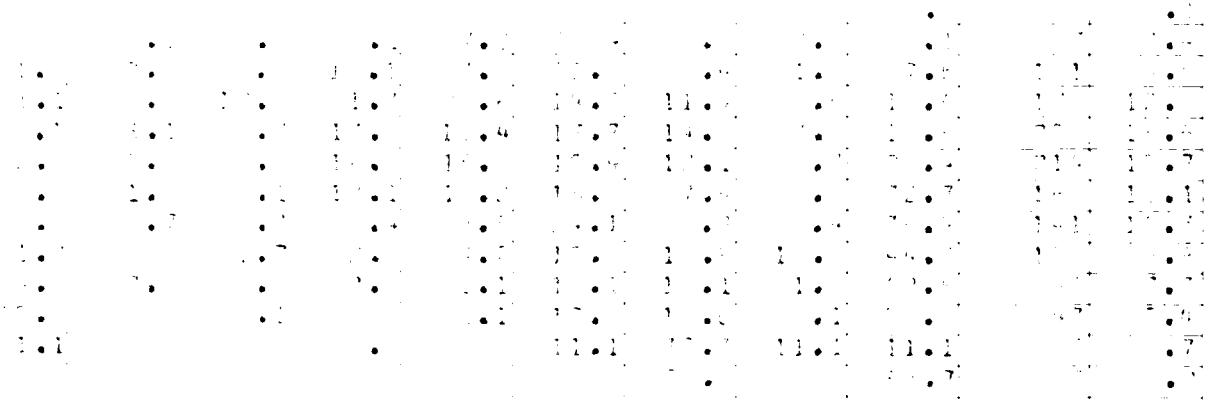
PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION



[illegible] AIR TEMPERATURE

[illegible] DIRECTION



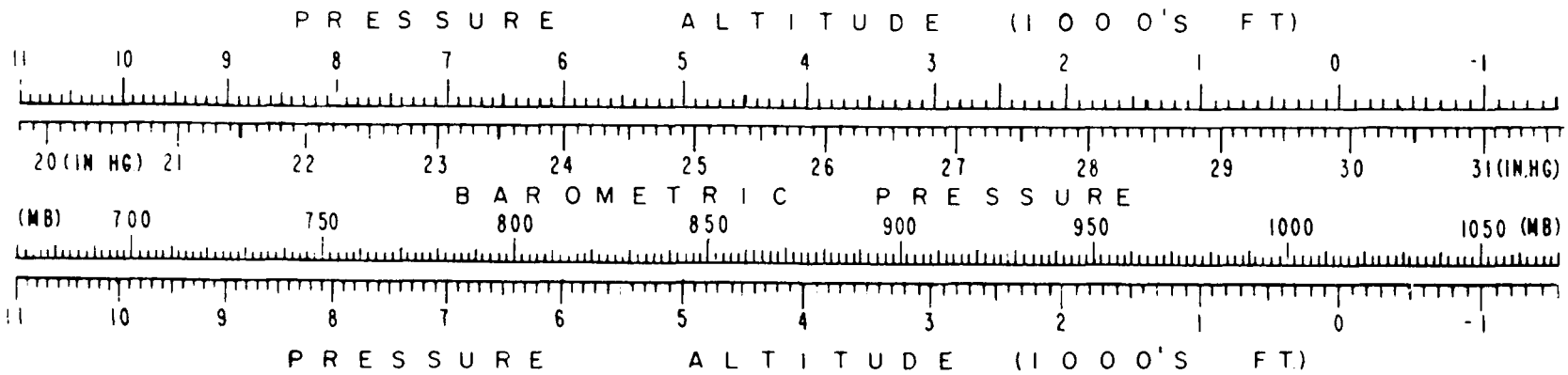
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



F

MEANS AND STANDARD DEVIATIONS

[illegible]		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

YEARS

[illegible]		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.167
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	.114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.171	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.614	[illegible]	[illegible]	[illegible]
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	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.177	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	.11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.171	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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